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Citations	21737	3259
h-index	79	34
i10-index	304	66

TITLE	CITED BY	YEAR
The DNA sequence of human chromosome 21 M Hattori, A Fujiyama, Nature 405 (6784), 311-319, 2000	1254	2000
Transgenic mice with increased Cu/Zn-superoxide dismutase activity: animal model of dosage effects in Down syndrome CJ Epstein, KB Avraham, M Lovett, S Smith, O Elroy-Stein, G Rotman, ... Proceedings of the National Academy of Sciences 84 (22), 8044-8048, 1987	525	1987
Transcriptional repression by AML1 and LEF-1 is mediated by the TLE/Groucho corepressors D Levanon, RE Goldstein, Y Bernstein, H Tang, D Goldenberg, S Stifani, ... Proceedings of the National Academy of Sciences 95 (20), 11590-11595, 1998	505	1998
Transcription factors T-bet and Runx3 cooperate to activate <i>Ifng</i> and silence <i>Il4</i> in T helper type 1 cells IM Djuretic, D Levanon, V Negreanu, Y Groner, A Rao, KM Ansel Nature immunology 8 (2), 145, 2007	486	2007
AML1, AML2, and AML3, the Human Members of the runt domain Gene-Family: cDNA Structure, Expression, and Chromosomal Localization Y Bernstein, I Bar-Am, L Avivi, Y Groner - Genomics, 20, 425-432, 1994	485	1994
The Runx3 transcription factor regulates development and survival of TrkC dorsal root ganglia neurons D Levanon, D Bettoun, C Harris-Cerruti, E Woolf, V Negreanu, R Eilam, ... The EMBO journal 21 (13), 3454-3463, 2002	428	2002
Runx3 and Runx1 are required for CD8 T cell development during thymopoiesis E Woolf, C Xiao, O Fainaru, J Lotem, D Rosen, V Negreanu, Y Bernstein, ... Proceedings of the National Academy of Sciences 100 (13), 7731-7736, 2003	338	2003
Overproduction of human Cu/Zn-superoxide dismutase in transfected cells: extenuation of paraquat-mediated cytotoxicity and enhancement of lipid peroxidation. O Elroy-Stein, Y Bernstein, Y Groner The EMBO journal 5 (3), 615-622, 1986	337 307	1986 2001
The RUNX3 gene—sequence, structure and regulated expression C Bangsow, N Rubins, G Glusman, Y Bernstein, V Negreanu, ... Gene 279 (2), 221-232, 2001	304	1978
Post-transcriptional and translational controls of gene expression in eukaryotes M Revel, Y Groner Annual review of biochemistry 47 (1), 1079-1126, 1978	303	2004

Runx3 and T-box proteins cooperate to establish the transcriptional program of effector CTLs	299	2009
F Cruz-Guilloty, ME Pipkin, IM Djuretic, D Levanon, J Lotem, ... Journal of Experimental Medicine 206 (1), 51-59, 2009		
Runx3 regulates mouse TGF-β-mediated dendritic cell function and its absence results in airway inflammation	282	2004
O Fainaru, E Woolf, J Lotem, M Yarmus, O Brenner, D Goldenberg, ... The EMBO journal 23 (4), 969-979, 2004		
Architecture and anatomy of the chromosomal locus in human chromosome 21 encoding the Cu/Zn superoxide dismutase.	275	1985
D Levanon, J Lieman-Hurwitz, N Dafni, M Wigderson, L Sherman, ... The EMBO Journal 4 (1), 77-84, 1985		
Down's syndrome: abnormal neuromuscular junction in tongue of transgenic mice with elevated levels of human Cu/Zn-superoxide dismutase	244	1988
KB Avraham, M Schickler, D Sapoznikov, R Yarom, Y Groner Cell 54 (6), 823-829, 1988		
Nucleotide sequence and expression of human chromosome 21-encoded superoxide dismutase mRNA	225	1983
L Sherman, N Dafni, J Lieman-Hurwitz, Y Groner Proceedings of the National Academy of Sciences 80 (18), 5465-5469, 1983		
The mouse c-abl locus: molecular cloning and characterization	211	1984
JYJ Wang, F Ledley, S Goff, R Lee, Y Groner, D Baltimore Cell 36 (2), 349-356, 1984		
Spatial and temporal expression pattern of Runx3 (Aml2) and Runx1 (Aml1) indicates non-redundant functions during mouse embryogenesis	186	2001
D Levanon, O Brenner, V Negreanu, D Bettoun, E Woolf, R Eilam, J Lotem, ... Mechanisms of development 109 (2), 413-417, 2001		
RGC death in mice after optic nerve crush injury: oxidative stress and neuroprotection	185	2000
H Levkovitch-Verbin, C Harris-Cerruti, Y Groner, LA Wheeler, ... Investigative ophthalmology & visual science 41 (13), 4169-4174, 2000		
Reversible impairment of long-term potentiation in transgenic Cu/Zn-SOD mice	181	1998
E Gahtan, JM Auerbach, Y Groner, M Segal European Journal of Neuroscience 10 (2), 538-544, 1998		
Protocols to establish genotype-phenotype correlations in Down syndrome.	175	1991
CJ Epstein, JR Korenberg, G Annerén, SE Antonarakis, S Aymé, ... American journal of human genetics 49 (1), 207, 1991		
Human gene-centric databases at the Weizmann Institute of Science: GeneCards, UDB, CroW 21 and HORDE	164	2003
M Safran, V Chalifa-Caspi, O Shmueli, T Olender, M Lapidot, N Rosen, ... Nucleic acids research 31 (1), 142-146, 2003		
Prevention of diabetes-associated embryopathy by overexpression of the free radical scavenger copper zinc superoxide dismutase in transgenic mouse embryos	161	1995

ZJ Hagay, Y Weiss, I Zusman, M Peled-Kamar, EA Reece, UJ Eriksson, ... American Journal of Obstetrics & Gynecology 173 (4), 1036-1041, 1995		
Loss of Runx3 function in leukocytes is associated with spontaneously developed colitis and gastric mucosal hyperplasia	160	2004
O Brenner, D Levanon, V Negreanu, O Golubkov, O Fainaru, E Woolf, ... Proceedings of the National Academy of Sciences 101 (45), 16016-16021, 2004		
Cellular oxidative stress and the control of apoptosis by wild-type p53, cytotoxic compounds, and cytokines	161	1996
J Lotem, M Peled-Kamar, Y Groner, L Sachs Proceedings of the National Academy of Sciences 93 (17), 9166-9171, 1996		
Architecture and anatomy of the genomic locus encoding the human leukemia-associated transcription factor RUNX1/AML1	154	2001
D Levanon, G Glusman, T Bangsow, E Ben-Asher, DA Male, N Avidan, ... Gene 262 (1), 23-33, 2001		
Distribution of glutamate transporter subtypes during human brain development	153	1997
O Bar-Peled, H Ben-Hur, A Biegon, Y Groner, S Dewhurst, A Furuta, ... Journal of neurochemistry 69 (6), 2571-2580, 1997		
Transgenic mice with expression of elevated levels of copper-zinc superoxide dismutase in the lungs are resistant to pulmonary oxygen toxicity.	152	1991
CW White, KB Avraham, PF Shanley, Y Groner The Journal of clinical investigation 87 (6), 2162-2168, 1991		
Thymic abnormalities and enhanced apoptosis of thymocytes and bone marrow cells in transgenic mice overexpressing Cu/Zn-superoxide dismutase: implications for Down syndrome.	150	1995
M Peled-Kamar, J Lotem, E Okon, L Sachs, Y Groner The EMBO journal 14 (20), 4985-4993, 1995		
Human cytoplasmic superoxide dismutase cDNA clone: a probe for studying the molecular biology of Down syndrome	148	1982
J Lieman-Hurwitz, N Dafni, V Lavie, Y Groner Proceedings of the National Academy of Sciences 79 (9), 2808-2811, 1982		
Runx2 inhibits chondrocyte proliferation and hypertrophy through its expression in the perichondrium	146	2006
E Hinoi, P Bialek, YT Chen, MT Rached, Y Groner, RR Behringer, ... Genes & development 20 (21), 000-000, 2006		
Impaired neurotransmitter uptake in PC12 cells overexpressing human Cu/Zn-superoxide dismutase-implication for gene dosage effects in down syndrome	144	1988
O Elroy-Stein, Y Groner Cell 52 (2), 259-267, 1988		
Transcription-coupled translation control of AML1/RUNX1 is mediated by cap- and internal ribosome entry site-dependent mechanisms	142	2000
A Pozner, D Goldenberg, V Negreanu, SY Le, O Elroy-Stein, D Levanon, ... Molecular and cellular biology 20 (7), 2297-2307, 2000		
Nomenclature for Runt-related (RUNX) proteins	141	2004

AJ Van Wijnen, GS Stein, JP Gergen, Y Groner, SW Hiebert, Y Ito, P Liu, ...
Oncogene 23 (24), 4209, 2004

- A regulatory interplay between miR-27a and Runx1 during megakaryopoiesis** 140 2009
O Ben-Ami, N Pencovich, J Lotem, D Levanon, Y Groner
Proceedings of the National Academy of Sciences 106 (1), 238-243, 2009
- Fetal human brain exhibits a prenatal peak in the density of serotonin 5-HT1A receptors** 138 1991
O Bar-Peled, R Gross-Isseroff, H Ben-Hur, I Hoskins, Y Groner, A Biegon
Neuroscience letters 127 (2), 173-176, 1991
- The Runx1/AML1 transcription factor selectively regulates development and survival of TrkA nociceptive sensory neurons** 138 2006
F Marmigère, A Montelius, M Wegner, Y Groner, LF Reichardt, P Ernfors
Nature neuroscience 9 (2), 180, 2006
- Methylated, blocked 5'termini of yeast mRNA.** 135 1976
CE Sripathi, Y Groner, JR Warner
Journal of Biological Chemistry 251 (10), 2898-2904, 1976
- Accelerated chemokine receptor 7-mediated dendritic cell migration in Runx3 knockout mice and the spontaneous development of asthma-like disease** 134 2005
O Fainaru, D Shseyov, S Hantisteanu, Y Groner
Proceedings of the National Academy of Sciences 102 (30), 10598-10603, 2005
- Constitutive overexpression of Cu/Zn superoxide dismutase exacerbates kainic acid-induced apoptosis of transgenic-Cu/Zn superoxide dismutase neurons** 134 1996
O Bar-Peled, E Korkotian, M Segal, Y Groner
Proceedings of the National Academy of Sciences 93 (16), 8530-8535, 1996
- Expression of *Runx1*, -2 and -3 during tooth, palate and craniofacial bone development** 132 2002
T Yamashiro, T Åberg, D Levanon, Y Groner, I Thesleff
Gene expression patterns 2 (1), 109-112, 2002
- Oxidative stress mediates impairment of muscle function in transgenic mice with elevated level of wild-type Cu/Zn superoxide dismutase** 130 1997
M Peled-Kamar, J Lotem, I Wirguin, L Weiner, A Hermalin, Y Groner
Proceedings of the National Academy of Sciences 94 (8), 3883-3887, 1997
- Translational discrimination of 'capped' and 'non-capped' mRNAs: inhibition by a series of chemical analogs of m7 GpppX** 128 1976
D Canaani, M Revel, Y Groner
FEBS letters 64 (2), 326-331, 1976
- Identification and mapping of N⁶-methyladenosine containing sequences in Simian Virus 40 RNA** 126 1979
D Canaani, C Kahana, S Lavi, Y Groner
Nucleic acids research 6 (8), 2879-2899, 1979
- Cistron Specific Translation Control Protein in *Escherichia coli*** 125 1972
Y Groner, Y Pollack, H Berissi, M Revel
Nature New Biology 239 (88), 16-19, 1972

Selective loss of dopaminergic nigro-striatal neurons in brains of Atm-deficient mice	124	1998
R Eilam, Y Peter, A Elson, G Rotman, Y Shiloh, Y Groner, M Segal Proceedings of the National Academy of Sciences 95 (21), 12653-12656, 1998		
Cell damage by excess CuZnSOD and Down's syndrome	123	1994
Y Groner, O Elroy-Sterol, KB Avraham, M Schickler, H Knobler, ... Biomedicine & pharmacotherapy 48 (5-6), 231-240, 1994		
Runx3 knockouts and stomach cancer: The challenge of identifying phenotypic defects directly attributable to loss of gene function	121	2003
D Levanon, O Brenner, F Otto, Y Groner EMBO reports 4 (6), 560-564, 2003		
Down's syndrome: morphological remodelling and increased complexity in the neuromuscular junction of transgenic CuZn-superoxide dismutase mice	121	1991
KB Avraham, H Sugarman, S Rotshenker, Y Groner Journal of neurocytology 20 (3), 208-215, 1991		
The in vitro synthesis of avian myeloblastosis viral RNA sequences	120	1974
M Jacquet, Y Groner, G Monroy, J Hurwitz Proceedings of the National Academy of Sciences 71 (8), 3045-3049, 1974		
Fractionation of translation initiation factor B (F3) into cistron-specific species	119	1970
M Revel, H Aviv, Y Groner, Y Pollack FEBS letters 9 (4), 213-217, 1970		
Addiction of t (8; 21) and inv (16) acute myeloid leukemia to native RUNX1	118	2013
O Ben-Ami, D Friedman, D Leshkowitz, D Goldenberg, K Orlovsky, ... Cell reports 4 (6), 1131-1143, 2013		
Down syndrome clinical symptoms are manifested in transfected cells and transgenic mice overexpressing the human Cu/Zn-superoxide dismutase gene.	116	1990
Y Groner, O Elroy-Stein, KB Avraham, R Yarom, M Schickler, H Knobler, ... Journal de physiologie 84 (1), 53-77, 1990		
5'-Terminal sequences and coding region of late simian virus 40 mRNAs are derived from noncontiguous segments of the viral genome	114	1977
S Lavi, Y Groner Proceedings of the National Academy of Sciences 74 (12), 5323-5327, 1977		
Host subunit of Qβ replicase is translation control factor i	113	1972
Y Groner, R Scheps, R Kamen, D Kolakofsky, M Revel Nature New Biology 239 (88), 19, 1972		
Dynamic combinatorial interactions of RUNX1 and cooperating partners regulates megakaryocytic differentiation in cell line models	111	2011
N Pencovich, R Jaschek, A Tanay, Y Groner Blood 117 (1), e1-e14, 2011		
Sequence heterogeneity at the 5'termini of late simian virus 40 19S and 16S mRNAs	110	1979
D Canaani, C Kahana, A Mukamel, Y Groner Proceedings of the National Academy of Sciences 76 (7), 3078-3082, 1979		
Effect of a purified initiation factor F3 (B) on the selection of ribosomal binding	108	

sites on phage MS2 RNA		
H BERISSI, Y GRONER, M REVEL Nature New Biology 234 (45), 44, 1971		
Role of initiation factor B (F3) in the preferential translation of T4 late messenger RNA in T4 infected E. coli	106	1970
Y Pollack, Y Groner, H Aviv, M Revel FEBS letters 9 (4), 218-221, 1970		
Functional and morphological alterations in compound transgenic mice overexpressing Cu/Zn superoxide dismutase and amyloid precursor protein	105	2004
C Harris-Cerruti, A Kamsler, B Kaplan, B Lamb, M Segal, Y Groner European Journal of Neuroscience 19 (5), 1174-1190, 2004		
Premature aging changes in neuromuscular junctions of transgenic mice with an extra human CuZnSOD gene: a model for tongue pathology in Down's syndrome	105	1988
R Yarom, D Sapoznikov, Y Havivi, KB Avraham, M Schickler, Y Groner Journal of the neurological sciences 88 (1), 41-53, 1988		
ERG promotes T-acute lymphoblastic leukemia and is transcriptionally regulated in leukemic cells by a stem cell enhancer	104	2011
JAI Thoms, Y Birger, S Foster, K Knezevic, Y Kirshenbaum, ... Blood, blood-2010-12-317990, 2011		
Synthesis of RNA containing a methylated blocked 5' terminus by HeLa nuclear homogenates	103	1975
Y Groner, J Hurwitz Proceedings of the National Academy of Sciences 72 (8), 2930-2934, 1975		
Groucho/transducin-like Enhancer-of-split (TLE)-dependent and-independent transcriptional regulation by Runx3	102	2006
M Yarmus, E Woolf, Y Bernstein, O Fainaru, V Negreanu, D Levanon, ... Proceedings of the National Academy of Sciences 103 (19), 7384-7389, 2006		
Diminished serotonin uptake in platelets of transgenic mice with increased Cu/Zn-superoxide dismutase activity.	100	1989
M Schickler, H Knobler, KB Avraham, O Elroy-Stein, Y Groner The EMBO journal 8 (5), 1385-1392, 1989		
Developmentally regulated promoter-switch transcriptionally controls Runx1 function during embryonic hematopoiesis	99	2007
A Pozner, J Lotem, C Xiao, D Goldenberg, O Brenner, V Negreanu, ... BMC developmental biology 7 (1), 84, 2007		
Runx3 specifies lineage commitment of innate lymphoid cells	98	2015
T Ebihara, C Song, SH Ryu, B Plougastel-Douglas, L Yang, D Levanon, ... Nature immunology 16 (11), 1124, 2015		
Regulation of AML2/CBFA3 in hematopoietic cells through the retinoic acid receptor α-dependent signaling pathway	98	1999
XF Le, Y Groner, SM Kornblau, Y Gu, WN Hittelman, D Levanon, K Mehta, ... Journal of Biological Chemistry 274 (31), 21651-21658, 1999		
Late degeneration of nigro-striatal neurons in ATM$^{-/-}$ mice	97	2003
R Eilam, Y Peter, Y Groner, M Segal		

Neuroscience 121 (1), 83-98, 2003

- Mice that overexpress Cu/Zn superoxide dismutase are resistant to allergen-induced changes in airway control** 96 2000
GL Larsen, CW White, K Takeda, JE Loader, DDH Nguyen, A Joetham, ...
American Journal of Physiology-Lung Cellular and Molecular Physiology 279 (2 ...), 2000
- Methylations of adenosine residues (m6A) in pre-mRNA are important for formation of late simian virus 40 mRNAs** 96 1983
D Finkel, Y Groner
Virology 131 (2), 409-425, 1983
- Elevated Cu/Zn-SOD exacerbates radiation sensitivity and hematopoietic abnormalities of Atm-deficient mice** 95 2001
Y Peter, G Rotman, J Lotem, A Elson, Y Shiloh, Y Groner
The EMBO journal 20 (7), 1538-1546, 2001
- DNA recognition by the RUNX1 transcription factor is mediated by an allosteric transition in the RUNT domain and by DNA bending** 92 2002
D Bartfeld, L Shimon, GC Couture, D Rabinovich, F Frolow, D Levanon, ...
Structure 10 (10), 1395-1407, 2002
- Human Cu/Zn superoxide dismutase gene: molecular characterization of its two mRNA species** 91 1984
L Sherman, D Levanon, J Lieman-Hurwitz, N Dafni, Y Groner
Nucleic acids research 12 (24), 9349-9365, 1984
- Molecular Structure and Expression of the Gene Locus on Chromosome 21 Encoding the Cu/Zn Superoxide Dismutase and Its Relevance to Down Syndrome a** 88 1985
Y Groner, J LIEMAN-HURWITZ, N Dafni, L Sherman, D Levanon, ...
Annals of the New York Academy of Sciences 450 (1), 133-156, 1985
- RUNX/AML and C/EBP factors regulate CD11a integrin expression in myeloid cells through overlapping regulatory elements** 87 2003
A Puig-Kröger, T Sánchez-Elsner, N Ruiz, EJ Andreu, F Prosper, ...
Blood 102 (9), 3252-3261, 2003
- Upregulation of GABA neurotransmission suppresses hippocampal excitability and prevents long-term potentiation in transgenic superoxide dismutase-overexpressing mice** 86 1999
Y Levkovitz, E Avignone, Y Groner, M Segal
Journal of Neuroscience 19 (24), 10977-10984, 1999
- Gene dosage of CuZnSOD and Down's syndrome: diminished prostaglandin synthesis in human trisomy 21, transfected cells and transgenic mice.** 86 1991
D Minc-Golomb, H Knobler, Y Groner
The EMBO journal 10 (8), 2119-2124, 1991
- Runx3 regulates dendritic epidermal T cell development** 85 2007
E Woolf, O Brenner, D Goldenberg, D Levanon, Y Groner
Developmental biology 303 (2), 703-714, 2007
- Chromatin as a template for RNA synthesis in vitro** 85 1975
Y Groner, G Monroy, M Jacquet, J Hurwitz
Proceedings of the National Academy of Sciences 72 (1), 194-199, 1975

<p>Specific in vitro initiation of transcription of simian virus 40 early and late genes occurs at the various cap nucleotides including cytidine</p> <p>D Gidoni, C Kahana, D Canaani, Y Groner Proceedings of the National Academy of Sciences 78 (4), 2174-2178, 1981</p>	83	1981
<p>Characterization of cistron specific factors for the initiation of messenger RNA translation in E. coli</p> <p>Y Groner, Y Pollack, H Berissi, M Revel FEBS letters 21 (2), 223-228, 1972</p>	82	1972
<p>A Novel Form of Initiation Factors from <i>Escherichia coli</i> which Binds Formylmethionyl tRNA and GTP: "F2 · F3 Complex"</p> <p>Y Groner, M Revel European journal of biochemistry 22 (1), 144-152, 1971</p>	82	1971
<p>The evolutionary origin of the Runx/CBFbeta transcription factors—studies of the most basal metazoans</p> <p>JC Sullivan, D Sher, M Eisenstein, K Shigesada, AM Reitzel, H Marlow, ... BMC evolutionary biology 8 (1), 228, 2008</p>	79	2008
<p>Dynamic expression of Runx1 in skin affects hair structure</p> <p>E Raveh, S Cohen, D Levanon, V Negreanu, Y Groner, U Gat Mechanisms of development 123 (11), 842-850, 2006</p>	79	2006
<p>Expression of manganese superoxide dismutase is not altered in transgenic mice with elevated level of copper-zinc superoxide dismutase</p> <p>CW White, HN Dee-dee, K Suzuki, N Taniguchi, LS Rusakow, ... Free Radical Biology and Medicine 15 (6), 629-636, 1993</p>	79	1993
<p>Runx3 at the interface of immunity, inflammation and cancer</p> <p>J Lotem, D Levanon, V Negreanu, O Bauer, S Hantisteanu, J Dicken, ... Biochimica et Biophysica Acta (BBA)-Reviews on Cancer 1855 (2), 131-143, 2015</p>	78	2015
<p>Phylogenesis and regulated expression of the RUNT domain transcription factors RUNX1 and RUNX3</p> <p>D Levanon, G Glusman, D Bettoun, E Ben-Asher, V Negreanu, ... Blood Cells, Molecules, and Diseases 30 (2), 161-163, 2003</p>	78	2003
<p>Runx3 regulates interleukin-15 dependent natural killer cell activation</p> <p>D Levanon, V Negreanu, J Lotem, KR Bone, O Brenner, D Leshkowitz, ... Molecular and cellular biology, MCB. 01202-13, 2014</p>	76	2014
<p>Absence of Runx3 expression in normal gastrointestinal epithelium calls into question its tumour suppressor function</p> <p>D Levanon, Y Bernstein, V Negreanu, KR Bone, A Pozner, R Eilam, ... EMBO molecular medicine 3 (10), 593-604, 2011</p>	76	2011
<p>The primary structure of human liver type phosphofructokinase and its comparison with other types of PFK</p> <p>D LEVANON, E DANCIGER, N DAFNI, Y BERNSTEIN, ARI ELSON, ... DNA 8 (10), 733-743, 1989</p>	76	1989
<p>Human Cu/Zn superoxide dismutase gene family: molecular structure and characterization of four Cu/Zn superoxide dismutase-related pseudogenes</p> <p>E Danciger, N Dafni, Y Bernstein, Z Laver-Rudich, A Neer, Y Groner Proceedings of the National Academy of Sciences 83 (11), 3619-3623, 1986</p>	75	1986

Runx3-mediated transcriptional program in cytotoxic lymphocytes	74	2013
J Lotem, D Levanon, V Negreanu, D Leshkowitz, G Friedlander, Y Groner PloS one 8 (11), e80467, 2013		
The structure of the human liver-type phosphofructokinase gene	74	1990
A Elson, D Levanon, M Brandeis, N Dafni, Y Bernstein, E Danciger, ... Genomics 7 (1), 47-56, 1990		
A Runx1-Smad6 rheostat controls Runx1 activity during embryonic hematopoiesis	72	2011
K Knezevic, T Bee, N Wilson, ME Janes, S Kinston, S Polderdijk, ... Molecular and cellular biology, MCB. 01305-10, 2011		
Sequences involved in the regulated expression of the human interferon-beta1 gene in recombinant SV40 DNA vectors replicating in monkey cells.	72	1983
L Maroteaux, C Kahana, Y Mory, Y Groner, M Revel The EMBO journal 2 (3), 325-332, 1983		
Overexpression of liver-type phosphofructokinase (PFKL) in transgenic-PFKL mice: implication for gene dosage in trisomy 21	71	1994
A Elson, D Levanon, Y Weiss, Y Groner Biochemical Journal 299 (2), 409-415, 1994		
Capping structures of simian virus 40 19S and 16S mRNAs	71	1977
Y Groner, P Carmi, Y Aloni Nucleic acids research 4 (11), 3959-3968, 1977		
Isolation and purification of double-stranded ribonuclease from calf thymus.	70	1977
K Ohtsuki, Y Groner, J Hurwitz Journal of Biological Chemistry 252 (2), 483-491, 1977		
Runx3 is involved in hair shape determination	69	2005
E Raveh, S Cohen, D Levanon, Y Groner, U Gat Developmental dynamics: an official publication of the American Association ..., 2005		
Molecular genetics of Down's syndrome: overexpression of transfected human Cu/Zn-superoxide dismutase gene and the consequent physiological changes	69	1986
Y Groner, O Elroy-Stein, Y Bernstein, N Dafni, D Levanon, E Danciger, ... Cold Spring Harbor symposia on quantitative biology 51, 381-393, 1986		
Expression of AML1-d, a short human AML1 isoform, in embryonic stem cells suppresses <i>in vivo</i> tumor growth and differentiation	68	1998
RB Aziz-Aloya, D Levanon, H Karn, D Kidron, D Goldenberg, J Lotem, ... Cell death and differentiation 5 (9), 765, 1998		
5'-Capping Structures of <i>Artemia salina</i> mRNA and the Translational Inhibition by Cap Analogs	68	1976
Y GRONER, H GROSFELD, UZ LITTAUER European journal of biochemistry 71 (1), 281-293, 1976		
IF3-interference factors: protein factors in Escherichia coli controlling initiation of mRNA translation	68	1973
M Revel, Y Pollack, Y Groner, R Scheps, H Inouye, H Berissi, H Zeller Biochimie 55 (1), 41-51, 1973		
Mapping of the mouse homolog of the human runt domain gene, AML2, to the	67	1995

<p>distal region of mouse chromosome 4 KB Avraham, D Levanon, V Negreanu, Y Bernstein, Y Groner, ... Genomics 25 (2), 603-605, 1995</p>		
<p>Methylation and capping of RNA polymerase II primary transcripts by HeLa nuclear homogenates Y Groner, E Gilboa, H Aviv Biochemistry 17 (6), 977-982, 1978</p>	67	1978
<p>Developmental pattern of muscarinic receptors in normal and Down's syndrome fetal brain—An autoradiographic study O Bar-Peled, M Israeli, H Ben-Hur, I Hoskins, Y Groner, A Biegon Neuroscience letters 133 (2), 154-158, 1991</p>	66	1991
<p>Effects of overexpression of the liver subunit of 6-phosphofructo-1-kinase on the metabolism of a cultured mammalian cell line AM URBANO, H GILLHAM, Y GRONER, KM BRINDLE Biochemical Journal 352 (3), 921-927, 2000</p>	64	2000
<p>Transgenic mice with elevated level of CuZnSOD are highly susceptible to malaria infection J Golenser, M Peled-Kamar, E Schwartz, I Friedman, Y Groner, Y Pollack Free Radical biology and medicine 24 (9), 1504-1510, 1998</p>	64	1998
<p>Protection of <i>Escherichia coli</i> Ribosomes against Streptomycin by Purified Initiation Factors JC Lelong, MA Cousin, F Gros, R Miskin, Z Vogel, Y Groner, M Revel European journal of biochemistry 27 (1), 174-180, 1972</p>	64	1972
<p>TGFβ-dependent gene expression profile during maturation of dendritic cells O Fainaru, T Shay, S Hantisteanu, D Goldenberg, E Domany, Y Groner Genes and immunity 8 (3), 239, 2007</p>	63	2007
<p>Altered brain glucose metabolism in transgenic-PFKL mice with elevated L-phosphofructokinase: in vivo NMR studies M Peled-Kamar, H Degani, P Bendel, Y Groner Brain research 810 (1-2), 138-145, 1998</p>	62	1998
<p>Gene dosage and Down's syndrome: metabolic and enzymatic changes in PC12 cells overexpressing transfected human liver-type phosphofructokinase A Elson, Y Bernstein, H Degani, D Levanon, H Ben-Hur, Y Groner Somatic cell and molecular genetics 18 (2), 143-161, 1992</p>	62	1992
<p>Simian virus 40 early mRNA's in lytically infected and transformed cells contain six 5'-terminal caps. C Kahana, D Gidoni, D Canaani, Y Groner Journal of virology 37 (1), 7-16, 1981</p>	62	1981
<p>In vivo effects of APP are not exacerbated by BACE2 co-overexpression: behavioural characterization of a double transgenic mouse model G Azkona, D Levannon, Y Groner, M Dierssen Amino acids 39 (5), 1571-1580, 2010</p>	61	2010
<p>RUNX3 negatively regulates CD36 expression in myeloid cell lines A Puig-Kröger, A Domínguez-Soto, L Martínez-Muñoz, D Serrano-Gómez, ... The Journal of Immunology 177 (4), 2107-2114, 2006</p>	61	2006

<p>Radiation sensitivity of Down's syndrome fibroblasts might be due to overexpressed Cu/Zn-superoxide dismutase (EC 1.15. 1.1).</p> <p>H Schwaiger, HG Weirich, P Brunner, C Rass, M Hirsch-Kauffmann, ... European journal of cell biology 48 (1), 79-87, 1989</p>	61	1989
<p>Initiation factor eIF-4B (IF-M3)-dependent recognition and translation of capped versus uncapped eukaryotic mRNAs.</p> <p>M Padilla, D Canaani, Y Groner, JA Weinstein, M Bar-Joseph, W Merrick, ... Journal of Biological Chemistry 253 (17), 5939-5945, 1978</p>	61	1978
<p>Cell-autonomous function of Runx1 transcriptionally regulates mouse megakaryocytic maturation</p> <p>N Pencovich, R Jaschek, J Dicken, A Amit, J Lotem, A Tanay, Y Groner PloS one 8 (5), e64248, 2013</p>	59	2013
<p>INCREASED SUPEROXIDE-DISMUTASE (SOD) ACTIVITY IN EMBRYOS OF TRANSGENIC MICE PROTECTS FROM THE TERATOGENIC EFFECTS OF A DIABETIC ENVIRONMENT INVITRO</p> <p>UJ Eriksson, LAH Borg, Z HAGY, Y Groner Diabetes 42, A85-A85, 1993</p>	59	1993
<p>Positional differences of axon growth rates between sensory neurons encoded by Runx3</p> <p>F Lallemand, U Sterzenbach, S Hadjab-Lallemand, JB Aquino, ... The EMBO journal 31 (18), 3718-3729, 2012</p>	58	2012
<p>The App-Runx1 region is critical for birth defects and electrocardiographic dysfunctions observed in a Down syndrome mouse model</p> <p>M Raveau, JM Lignon, V Nalesso, A Duchon, Y Groner, AJ Sharp, ... PLoS genetics 8 (5), e1002724, 2012</p>	58	2012
<p>Construction of a cDNA clone containing the entire coding region of the human liver-type phosphofructokinase</p> <p>D Levanon, E Danciger, N Dafni, Y Groner Biochemical and biophysical research communications 147 (3), 1182-1187, 1987</p>	57	1987
<p>Ischemic reperfusion brain injury in fetal transgenic mice with elevated levels of copper-zinc superoxide dismutase</p> <p>R Levy, S Glozman, D Milman, C Seruty, Z Hagay, E Yavin, Y Groner Journal of perinatal medicine 30 (2), 158-165, 2002</p>	56	2002
<p>Genomic clones of the human liver-type phosphofructokinase</p> <p>D Levanon, E Danciger, N Dafni, Y Groner Biochemical and biophysical research communications 141 (1), 374-380, 1986</p>	56	1986
<p>Roles of VWRPY motif-mediated gene repression by Runx proteins during T-cell development</p> <p>W Seo, H Tanaka, C Miyamoto, D Levanon, Y Groner, I Taniuchi Immunology and cell biology 90 (8), 827, 2012</p>	55	2012
<p>Transgenic models for chromosome 21 gene dosage effects</p> <p>Y Groner Prog Clin Biol Res 393, 193-212, 1995</p>	55	1995
<p>A linkage map of three anonymous human DNA fragments and SOD-1 on chromosome 21.</p>	55	1985

SD Kittur, SE Antonarakis, RE Tanzi, DA Meyers, A Chakravarti, Y Groner, ... The EMBO journal 4 (9), 2257-2260, 1985		
Runx1 transcription factor is required for myoblasts proliferation during muscle regeneration	54	2015
KB Umansky, Y Gruenbaum-Cohen, M Tsoory, E Feldmesser, ... PLoS genetics 11 (8), e1005457, 2015		
Loss of osteoblast Runx3 produces severe congenital osteopenia	54	2015
O Bauer, A Sharir, A Kimura, S Hantisteanu, S Takeda, Y Groner Molecular and cellular biology, MCB. 01106-14, 2015		
Impaired glucose-induced insulin response in transgenic mice overexpressing the L-phosphofructokinase gene	54	1997
H Knobler, Y Weiss, M Peled, Y Groner Diabetes 46 (9), 1414-1418, 1997		
Escherichia coli initiation factors: isolation of an IF2-fMet-transfer RNA complex.	54	1973
Y Groner, M Revel Journal of molecular biology 74 (3), 407, 1973		
Transcriptional reprogramming of CD11b+ Esamhi dendritic cell identity and function by loss of Runx3	53	2013
J Dicken, A Mildner, D Leshkowitz, IP Touw, S Hantisteanu, S Jung, ... PLoS One 8 (10), e77490, 2013		
Runx3-deficient mouse strains circa 2008: resemblance and dissimilarity	53	2009
D Levanon, Y Groner Blood Cells, Molecules, and Diseases 43 (1), 1-5, 2009		
Site-directed mutagenesis supports a three-dimensional model of the runt domain1	53	1998
D Levanon, M Eisenstein, Y Groner Journal of molecular biology 277 (3), 509-512, 1998		
Human superoxide dismutase cDNA	53	1993
Y Groner US Patent 5,196,335, 1993		
Use of transgenic animals to study disease models: Hyperoxic lung injury and ischemic acute renal failure in "high SOD" mice	53	1992
PF Shanley, CW White, KB Avraham, Y Groner, TJ Burke Renal failure 14 (3), 391-394, 1992		
Clinical symptoms of Down syndrome are manifested in transgenic mice overexpressing the human Cu/Zn-superoxide dismutase gene.	52	1990
Y Groner, KB Avraham, M Schickler, R Yarom, H Knobler Progress in clinical and biological research 360, 233, 1990		
Linkage Map on Chromosome 21q and the Association of a DNA Haplotype with a Propensity to Nondisjunction and Trisomy 21a	51	1985
SE Antonarakis, SD Kittur, C Metaxotou, C Bartsocas, S Kitsiou, ... Annals of the New York Academy of Sciences 450 (1), 95-107, 1985		
The novel RUNX3/p33 isoform is induced upon monocyte-derived dendritic cell maturation and downregulates IL-8 expression	50	2010

A Puig-Kröger, N Aguilera-Montilla, R Martínez-Nuñez, ... Immunobiology 215 (9-10), 812-820, 2010		
Report on the 'Expert Workshop on the Biology of Chromosome 21: towards gene-phenotype correlations in Down syndrome', held June 11–14, 2004, Washington DC K Gardiner, MT Davisson, M Pritchard, D Patterson, Y Groner, LS Crnic, ... Cytogenetic and genome research 108 (4), 269-277, 2005	50	2005
Increased methylation of RNA in SV40-infected interferon-treated cells C Kahana, E Yakobson, M Revel, Y Groner Virology 112 (1), 109-118, 1981	50	1981
ISOLATION AND CELL-FREE TRANSLATION OF HUMAN MESSENGER-RNA CODING FOR CYTOPLASMIC SUPEROXIDE-DISMUTASE (SOD-1) J LIEMANHURWITZ, D Wolf, D Goldman, Y Groner BIOCHEMISTRY INTERNATIONAL 3 (2), 107-115, 1981	50	1981
AMV RNA transcription in cell-free systems and properties of in vitro chromatin-directed RNA synthesis G Monroy, M Jacquet, Y Groner, J Hurwitz Cold Spring Harbor symposia on quantitative biology 39, 1033-1041, 1974	50	1974
Translation initiation factor C (f2): Selective inactivation of its f-met-tRNA binding activity which does not affect messenger RNA binding to the 30 S ribosome Y Groner, M Herzberg, M Revel FEBS letters 6 (4), 315-320, 1970	50	1970
Common promoter features in human and mouse liver type phosphofructokinase gene. D Levanon, M Brandeis, Y Bernstein, Y Groner Biochemistry and molecular biology international 35 (5), 929-936, 1995	49	1995
Synthesis of carrier-free β-32P-nucleosides-triphosphate in almost quantitative yields G Kaufmann, M Choder, Y Groner Analytical biochemistry 109 (1), 198-202, 1980	49	1980
The proprioceptive system masterminds spinal alignment: insight into the mechanism of scoliosis R Blecher, S Krief, T Galili, IE Biton, T Stern, E Assaraf, D Levanon, ... Developmental cell 42 (4), 388-399. e3, 2017	48	2017
An ensemble of regulatory elements controls Runx3 spatiotemporal expression in subsets of dorsal root ganglia proprioceptive neurons E Appel, S Weissmann, Y Salzberg, K Orlovsky, V Negreanu, M Tsoory, ... Genes & development 30 (23), 2607-2622, 2016	47	2016
Schon 0 M Hattori, A Fujiyama, TD Taylor, H Watanabe, T Yada, HS Park, ... Desario A, Reichelt J, Kauer G, Blocker H, Ramser J, Beck A, Klages S ..., 2000	47	2000
Cu/Zn-SOD transgenic mice are impaired in slow onset, long term potentiation AR Koudinov, Y Groner, M Segal	47	1998

- Translation regulation of Runx3** 46 2010
KR Bone, Y Gruper, D Goldenberg, D Levanon, Y Groner
Blood Cells, Molecules, and Diseases 45 (2), 112-116, 2010
- Down's Syndrome and Alzheimer's Disease: Are Common Genes From Human Chromosome 21 Involved In Both Disorders?** 46 1986
Y Groner, N Dafni, L Sherman, D Levanon, Y Bernstein, E Danciger, ...
Alzheimer's and Parkinson's Disease, 271-283, 1986
- Biological decay of the 5'-triphosphate termini of the RNA of E. coli** 46 1974
JE Toivonen, DP Nierlich
Nature 252 (5478), 74, 1974
- Biochemical mechanism to control protein synthesis mRNA specific initiation factors** 46 1973
M Revel, Y Groner, Y Pollack, D Cnaani, H Zeller, U Nudel
Acta Endocrinologica 74 (Suppl), S54-S74, 1973
- Carcinogen-induced skin tumor development requires leukocytic expression of the transcription factor Runx3** 45 2014
O Bauer, S Hantisteanu, J Lotem, Y Groner
Cancer Prevention Research, canprevres. 0098.2014, 2014
- The false paradigm of Runx3 function as tumor suppressor in gastric cancer** 45 2013
J Lotem, D Levanon, V Negreanu, Y Groner
Journal of Cancer Therapy 4 (01), 16, 2013
- Human superoxide dismutase cDNA** 45 1998
Y Groner
US Patent 5,714,362, 1998
- Protein kinase C (PKC) level is increased in PC12 cells overexpressing transfected liver-type phosphofructokinase** 44 1994
A Elson, Y Weiss, Y Groner
Biology of the Cell 81 (1), 23-29, 1994
- INITIAL CONSTRUCTION OF A LINKAGE MAP OF CHROMOSOME-21** 44 1985
SD Kittur, SE Antonarakis, RE Tanzi, DA Meyers, A Chakravarti, Y Groner, ...
CYTOGENETICS AND CELL GENETICS 40 (1-4), 668-668, 1985
- Docosahexaenoic acid-deficient phosphatidyl serine and high α -tocopherol in a fetal mouse brain over-expressing Cu/Zn-superoxide dismutase** 43 2000
S Glozman, C Cerruti-Harris, Y Groner, E Yavin
Biochimica et Biophysica Acta (BBA)-Molecular and Cell Biology of Lipids ..., 2000
- EMBRYOS TRANSGENIC FOR SUPEROXIDE-DISMUTASE (SOD) SHOW RESISTANCE TO A TERATOGENIC DIABETIC ENVIRONMENT IN-VITRO** 43 1993
UJ Eriksson, LAH Borg, A Sjoberg, P Wentzel, Z Hagy, Y Groner
Diabetologia 36, A41-A41, 1993
- A DNA polymorphism with KpnI of the human liver-type phosphofructokinase (PFKL) gene.** 42 1988
AC Warren, Y Groner, SE Antonarakis
Nucleic acids research 16 (18), 9060, 1988

Overexpression of the human CuZnSOD gene in transfected cells-- implication to Down syndrome.	42	1987
O Elroy-Stein, Y Bernstein, KB Avraham, N Dafni, D Levanon, E Danciger, ... Progress in clinical and biological research 253, 373-392, 1987		
Purification and properties of interference factor i: a cistron-specific translation control factor and a subunit of phage RNA replicase	42	1974
Y Groner, M Revel Methods in enzymology 30, 68-78, 1974		
RUNX Proteins in Development and Cancer	41	2017
Y Groner, Y Ito, P Liu, JC Neil, NA Speck, A Van Wijnen Springer, 2017		
Runx3 in Immunity, Inflammation and Cancer	41	2017
J Lotem, D Levanon, V Negreanu, O Bauer, S Hantisteanu, J Dicken, ... RUNX Proteins in Development and Cancer, 369-393, 2017		
Genomic-wide transcriptional profiling in primary myoblasts reveals Runx1- regulated genes in muscle regeneration	41	2015
KB Umansky, E Feldmesser, Y Groner Genomics data 6, 120-122, 2015		
RUN-CBFβ Interaction in <i>C. elegans</i>: Computational Prediction and Experimental Verification	39	2007
O Suad, E Eyal, I Blumenzweig, N Kessler, D Levanon, Y Groner, ... Journal of Biomolecular Structure and Dynamics 24 (4), 343-357, 2007		
Amyloid precursor protein and APP-deprived peptides inhibit tumor growth and metastasis	39	2004
M Marikovsky, Y Groner, C Harris-Cerruti US Patent App. 10/423,047, 2004		
The AML/CBF gene family of transcription factors: structure/function and role in DS leukemia	38	1999
D Levanon, Y Bernstein, RE Goldstein, V Negreanu, D Goldenberg, ... CYTOGENETICS AND CELL GENETICS 86 (1), 10-10, 1999		
Expression of AML-2 protein is highly prognostic in acute myelogenous leukemia (AML) FAB-M2.	38	1997
SM Kornblau, XF Le, E Estey, M Andreeff, Y Groner, KS Chang Blood 90 (10), 309-309, 1997		
INTERFERON-MEDIATED CHANGES IN THE METHYLATION PATTERN OF SIMIAN-VIRUS-40 MESSENGER-RNA	38	1979
E Yakobson, H Kahane, M Revel, Y Groner ISRAEL JOURNAL OF MEDICAL SCIENCES 15 (1), 101-101, 1979		
CHARACTERISTICS OF AN IN VITRO SYSTEM WHICH TRANSCRIBES VIRAL RNA FROM CHROMATIN	37	1976
G Monroy, Y Groner, M Jacquet, J Hurwitz Molecular mechanisms in the control of gene expression, 195-221, 1976		
mRNA Specific Initiation Factors in the Control of Protein Synthesis	37	1974
M Revel, Y Groner, Y Pollack, D Cnaani, H Zeller, U Nudel Control of Gene Expression, 99-122, 1974		

Selection of ribosome binding sites on mRNA in Escherichia coli by cistron-specific IF3 subfractions, and interference factors	37	1974
M Revel, Y Groner Methods in enzymology 30, 54-68, 1974		
Karolinska Symposia on Research Methods in Reproductive Endocrinology	37	1973
M Revel, Y Groner, Y Pollack, D Cnaani, H Zeller, U Nudel Protein synthesis in reproductive tissue: Karolinska Symposia on Research ..., 1973		
Biology of T Helper Cells and Their Role in Neonatal Infection	37	2017
M Abdulmageed, SA Omar, BV Madhukar Journal of Pediatric Infectious Diseases 12 (03), 147-156, 2017		
The Leo Sachs' legacy: a pioneer's journey through hematopoiesis.	37	2017
J Lotem, Y Groner The International journal of developmental biology 61 (3-4-5), 127-136, 2017		
Compositions and methods for treating a hematological malignancy associated with an altered runx1 activity or expression	37	2016
Y Groner, BENAMI Oren US Patent App. 14/897,281, 2016		
Pioneer of hematopoietic colony-stimulating factors: Leo Sachs (1924–2013)	36	2014
M Sela, Y Groner Proceedings of the National Academy of Sciences 111 (5), 1664-1665, 2014		
CHARACTERISTICS OF AN IN WITRO SYSTEM	36	2013
G Monroy, Y Groner, M Jacquet, J Hurwitz Molecular Mechanisms in the Control of Gene Expression 5, 195, 2013		
Department of Biochemistry, Weizmann Institute of Science, Rehovot, Israel	35	2012
M Revel, Y Groner, Y Pollack, D Cnaani, H Zeller Control of Gene Expression 44, 99, 2012		
Author reply to: RUNX3 is expressed in the epithelium of the gastrointestinal tract	35	2012
D Levanon, V Negreanu, J Lotem, Y Groner EMBO molecular medicine 4 (7), 543-544, 2012		
A RUNX1-SMAD6 RHEOSTAT CONTROLS RUNX1 LEVELS AND REGULATES HEMATOPOIESIS IN THE DEVELOPING EMBRYO	35	2011
J Pimanda, K Knezevic, T Bee, M Janes, J Thoms, N Wilson, ...		
MODELING and Targeting <i>ERG</i>-INDUCED Acute MYELOID LEUKEMIA (AML).	34	2010
G Smootha, Y Birger, L Goldberg, J Jacob-Hirsch, N Amariglio, G Rechavi, ...		
Blood 114 (22), 475-475, 2009	34	2009
Methods for evaluating genetic susceptibility and therapy for chronic inflammatory diseases	34	2009
Y Groner, D Bettoun US Patent App. 12/352,460, 2009		

<p>Methods for evaluating genetic susceptibility and therapy for chronic inflammatory diseases Y Groner, D Bettoun US Patent App. 10/540,402, 2006</p>	33	2006
<p>Runx3 plays a role in hair structure determination. U Gat, E Raveh, S Cohen, D Levanon, Y Groner DEVELOPMENTAL BIOLOGY 283 (2), 679-679, 2005</p>	33	2005
<p>Epidemiological and clinical characteristics of ALS ME Gurney, H Pu, AY Chiu, O Elroy-Stein, Y Bernstein, Y Groner, ... Amyotrophic Lateral Sclerosis 6 (sup1), 75-90, 2005</p>	32	2005
<p>Brief Gene Mapping Reports A/B/C/D/E/F/G/H/I/J M Trimborn, A Grueters, H Neitzel, H Tönnies, M Volleth, M Stumm, ... Cytogenetic and Genome Research 108 (4), 362-363, 2005</p>	32	2005
<p>Vol. 108, 2005 M Trimborn, A Grueters, H Neitzel, H Tönnies, M Volleth, M Stumm, ... Cytogenetic and Genome Research 108 (4), 367-370, 2005</p>	32	2005
<p>Mouse whole mount RNA in situ hybridization: an effective technique for analyzing gene expression CY Xiao, D Levanon, SZ Zhang, Y Groner 2004</p>	31	2005
<p>Modelling SOD1-related oxidative stress C Harris-Cerruti, A Kamsler, M Segal, Y Groner, B Kaplan NEUROBIOLOGY OF AGING 23 (1), 285-288, 2002</p>	31	2002
<p>Deleterious association of elevated CuZn superoxide dismutase activity and amyloid precursor protein in a transgenic mouse model of Down syndrome neuropathology C Harris-Cerruti, B Kaplan, Y Groner AMYLOID-JOURNAL OF PROTEIN FOLDING DISORDERS 8, 143-144, 2001</p>	31	2001
<p>CroW 21: The chromosome 21 database at the Weizmann Institute Y Peter, V Chalifa-Caspi, M Safran, J Stampintzky, D Levanon, ... CYTOGENETICS AND CELL GENETICS 92 (1-2), 17-19, 2001</p>	30	2001
<p>Expression of the RUNX1/AML1 during mouse embryogenesis is regulated by differential promoter usage D Levanon, T Polak, T Bangsow, V Negreanu, Y Groner CYTOGENETICS AND CELL GENETICS 92 (1-2), 14-17, 2001</p>	30	2001
<p>Oxidative stress mediates phenotypic features in compounded transgenic-SOD1 Atm-knockout mice Y Peter, A Elson, Y Lotem, G Rotman, Y Shiloh, Y Groner CYTOGENETICS AND CELL GENETICS 92 (1-2), 17-19, 2001</p>	30	2001
<p>The DNA sequence of human chromosome 21 (vol 405, pg 311, 2000) M Hattori, A Fujiyama, TD Taylor, H Watanabe, T Yada, HS Park, ... Nature 407 (6800), 110-110, 2000</p>	29	2000

Aged amyloid precursor protein transgenic mice are impaired in neuronal plasticity.	29	1999
A Koudinov, Y Groner, M Segal NEUROSCIENCE LETTERS, S25-S25, 1999		
Oxidative Stress Mediated Neurodegeneration And Down Syndrome	29	1999
M Segal, O Bar-peled, E Korkotian, M Peled-kamar, J Lotem, L Weiner, ... Journal of Neurochemistry 72, 83, 1999		
Expression of the AML1/CBFA2 gene is regulated during mouse embryogenesis by differential promoter usage	29	1999
T Bangsow, D Levanon, Y Groner CYTOGENETICS AND CELL GENETICS 86 (1), 13-15, 1999		
What can transgenic mice teach us about the early onset of Alzheimer's disease in Down syndrome patients?	29	1999
C Harris-Cerruti, AR Koudinov, M Segal, Y Groner CYTOGENETICS AND CELL GENETICS 86 (1), 11-14, 1999		
Engineered animal models for oxidative stress-mediated neuronal cell death	28	1997
Y Groner, M Segal, O Bar-Peled, E Korkotian, M Peled-Kamar, J Lotem, ... Neuroscience Letters, 22, 1997		
Transgenic models for Down syndrome-related gene dosage	28	1997
Y Groner CYTOGENETICS AND CELL GENETICS 77, 27-29, 1997		
Tg-CuZnSOD mice display thymic abnormalities and enhanced apoptosis of thymocytes and cultured neurons	28	1997
Y Groner, O Bar-Peled, M Peled, J Lotem CYTOGENETICS AND CELL GENETICS 79 (1-2), 48-52, 1997		
DIABETIC EMBRYOPATHY IS PREVENTED IN TRANSGENIC MICE OVEREXPRESSING THE RADICAL SCAVENGING ENZYME SUPEROXIDE-DISMUTASE (SOD)	28	1995
Z HAGAY, Y WEISS, I ZUSMAN, D KIDRON, UJ ERIKSSON, Y GRONER DIABETOLOGIA 38, 21-24, 1995		
Transgenic models for Down Syndrome related gene dosage effects	28	1995
Y Groner CELLULAR PHARMACOLOGY 2, 10-15, 1995		
TRANSGENIC-CUZNSOD MICE DISPLAY CLINICAL-FEATURES OFDOWN-SYNDROME	28	1991
KB AVRAHAM, M SCHICKLER, H KNOBLER, D MINC, H SUGERMAN, ... AMERICAN JOURNAL OF HUMAN GENETICS 49 (4), 84-87, 1991		

Ang, LC, see Juurlink, BHJ, 25 Arvin, B., see Moncada, C., 287 L Balaguer, J Romano, P Ruiz-Pesini, O Bar-Peled, M Israeli, H Ben-Hur, ... Neuroscience Letters 133, 315-318, 1991	27	1991
syringae pv. phaseolicola Multiple copies of the coding regions for the light-harvesting B800-850 and f-polypeptides are present in the Rhodospseudomonas palustris genome ... A Pereira, H Saedler, E Kondorosi, J Gyuris, J Schmidt, M John, Y Takada, ... The EMBO Journal 8 (5), 1989	27	1989
Pathogenetic Relationships between Down's Syndrome and Alzheimer's Y GRONER, SB PRUSINER, SA SMITH Molecular Neuropathology of Aging, 339, 1987	27	1987
National Academy JF Hervagault, MC Duban, JP Kernevez, D Thomas, MJ Griffith, ...	26	1983
Sequence determination of the major N 6-methyl adenosine-containing oligonucleotides of SV40 mRNA D Finkel, C Kahana, Y Groner Israel Journal of Medical Sciences 17 (6), 476, 1981	26	1981
CONSTRUCTION AND ISOLATION OF CDNA CLONES CONTAINING HUMAN SUPEROXIDE-DISMUTASE SEQUENCES J LIEMANHURWITZ, N DAFNI, Y GRONER ISRAEL JOURNAL OF MEDICAL SCIENCES 17 (6), 477-477, 1981	26	1981
ALTENBACH, SUSAN B., 25 ARTHUR, LARRY O., 49 MD AYRES, TJR HARRIS, JD HARVEY, AD HEWINGS, KY HOSTETLER, ... Virology 112, 374, 1981	25	1981
Specific in vitro initiation of transcription of SV40 early and late genes D Gidoni, C Kahana, Y Groner Israel Journal of Medical Sciences 17 (6), 471, 1981	25	1981
TRANSCRIPTION OF SIMIAN VIRUS-40 STARTS AT MULTIPLE SITES OF THE VIRAL GENOME C KAHANA, Y GRONER ISRAEL JOURNAL OF MEDICAL SCIENCES 16 (6), 486-486, 1980	24	1980
ROLE OF INTERNAL METHYLATION IN THE FORMATION OF SV40 MESSENGER-RNA D FINKEL, Y GRONER ISRAEL JOURNAL OF MEDICAL SCIENCES 16 (6), 485-486, 1980	24	1980
MAPPING OF M6A-CONTAINING SEQUENCES OF SIMIAN-VIRUS-40 19-S AND 16-S MESSENGER-RNA D CANAANI, S LAVI, Y GRONER ISRAEL JOURNAL OF MEDICAL SCIENCES 15 (1), 101-101, 1979	23	1979
SEQUENCE HETEROGENEITY AND MULTIPLE CAPS AT THE 5'-TERMINI OF SIMIAN-VIRUS 40 EARLY AND LATE MESSENGER-RNA D CANAANI, C KAHANA, A MUKAMEL, Y GRONER ISRAEL JOURNAL OF MEDICAL SCIENCES 15 (9), 792-793, 1979	23	1979
CYCLOLEUCINE-INDUCED PERTURBATIONS OF BIOMETHYLATION IN	22	1979

SIMIAN-VIRUS 40 MESSENGER-RNA D FINKEL, C KAHANA, Y GRONER ISRAEL JOURNAL OF MEDICAL SCIENCES 15 (9), 793-793, 1979		
INTERFERON-MEDIATED CHANGES IN THE METHYLATED PATTERN OF SIMIAN-VIRUS 40 MESSENGER-RNA C KAHANA, M REVEL, Y GRONER ISRAEL JOURNAL OF MEDICAL SCIENCES 15 (9), 793-793, 1979	22	1979
METHYLATION AND CAPPING OF NEWLY SYNTHESIZED RNA BY HELA NUCLEAR HOMOGENATES Y GRONER, E GILBOA, H AVIV ISRAEL JOURNAL OF MEDICAL SCIENCES 13 (9), 933-934, 1977	22	1977
SPECIFIC INHIBITION OF CAPPED MESSENGER-RNA TRANSLATION BY M7PG AND M7PGP D CANAANI, Y GRONER, M REVEL ISRAEL JOURNAL OF MEDICAL SCIENCES 12 (11), 1394-1394, 1976	21	1976
CAPPED 5'TERMINI OF RTEMIA-SALINA MESSENGER-RNA H GROSFELD, Y GRONER, UZ LITTAUER ISRAEL JOURNAL OF MEDICAL SCIENCES 12 (11), 1393-1394, 1976	21	1976
Characteristics of an in vitro system which transcribes viral RNA from chromatin [Chicken myeloblasts infected with avian myeloblastosis virus] G Monroy, Y Groner, M Jacquet, J Hurwitz ICN-UCLA Conference on Molecular Mechanisms in the Control of Gene ..., 1976	21	1976
In Vitro Transcription Studies with RNA Tumor Viruses M Jacquet, Y Groner, G Monroy, J Hurwitz Fundamental Aspects of Neoplasia, 281-291, 1975	20	1975
CHARACTERIZATION OF CHROMATIN-DIRECTED INVITRO RNA-SYNTHESIS G MONROY, Y GRONER, M JACQUET, J HURWITZ FEDERATION PROCEEDINGS 34 (3), 629-629, 1975	20	1975
CONTROL OF PROTEIN-SYNTHESIS BY MESSENGER-RNA SPECIFIC INITIATION FACTORS M Revel, Y Groner, Y Pollack, U NUDEL, B LEBLEU	19	1973
TRANSLATION-INTERFERENCE FACTORS IN T4 INFECTED ESCHERICHIA-COLI Y Pollack, R SCHEPS, H INOUYE, Y Groner, M Revel	19	1973
Protein synthesis machinery and the regulation of messenger RNA translation M Revel, Y Groner, Y Pollack, R Scheps, H Berissi Polymerization in biological systems 7, 69, 1972	18	1972
CISTRON SPECIFIC INITIATION FACTORS OF PROTEIN-SYNTHESIS IN ESCHERICHIA-COLI H BERISSI, M REVEL, Y GRONER ISRAEL JOURNAL OF CHEMISTRY 9 (6), BC46-&, 1971	17	1971
RECOGNITION OF FORMYLMETHIONYL TRANSFER-RNA BY AN INITIATION FACTOR COMPLEX FROM E-COLI COLI	16	1971

Y GRONER, M REVEL
ISRAEL JOURNAL OF CHEMISTRY 9 (6), BC46-&, 1971

Down's syndrome: morphological remodelling and increased complexity in
the neuromuscular junction of transgenic CuZn-superoxide dismutase mice 16 1991
A KB, H SUGARMANZ, S ROTSHENKER, Y GRONER

Upstream and Downstream of the Human Leukemia Associated Transcription
Factor RUNX1/AML1 16 1995
Y Groner