

Benjamin Sredni

List of Publications by Year in descending order

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80
papers

3,046
citations

136950

32
h-index

175258

52
g-index

83
all docs

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docs citations

83
times ranked

3087
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyclophosphamide Triggers Follicle Activation and "Burnout", AS101 Prevents Follicle Loss and Preserves Fertility. <i>Science Translational Medicine</i> , 2013, 5, 185ra62.	12.4	376
2	Alloreactivity of an antigen-specific T-cell clone. <i>Nature</i> , 1980, 287, 855-857.	27.8	148
3	Anti-IL-10 Therapeutic Strategy Using the Immunomodulator AS101 in Protecting Mice from Sepsis-Induced Death: Dependence on Timing of Immunomodulating Intervention. <i>Journal of Immunology</i> , 2002, 169, 384-392.	0.8	119
4	Direct cloning and extended culture of antigen-specific MHC-restricted, proliferating T lymphocytes. <i>Nature</i> , 1980, 283, 581-583.	27.8	116
5	Tellurium Compounds: Selective Inhibition of Cysteine Proteases and Model Reaction with Thiols. <i>Inorganic Chemistry</i> , 1998, 37, 1704-1712.	4.0	101
6	Ammonium Trichloro(dioxoethylene-o, ω^2)tellurate (AS101) Sensitizes Tumors to Chemotherapy by Inhibiting the Tumor Interleukin 10 Autocrine Loop. <i>Cancer Research</i> , 2004, 64, 1843-1852.	0.9	96
7	Immunomodulating tellurium compounds as anti-cancer agents. <i>Seminars in Cancer Biology</i> , 2012, 22, 60-69.	9.6	90
8	Antigen-Specific, Proliferating T Lymphocyte Clones. Methodology, Specificity, MHC Restriction and Alloreactivity. <i>Immunological Reviews</i> , 1981, 54, 187-223.	6.0	82
9	The protective role of the immunomodulator AS101 against chemotherapy-induced alopecia studies on human and animal models. , 1996, 65, 97-103.		74
10	Multifunctional tellurium molecule protects and restores dopaminergic neurons in Parkinson's disease models. <i>FASEB Journal</i> , 2007, 21, 1870-1883.	0.5	66
11	MicroRNA-486-5p is an erythroid oncomiR of the myeloid leukemias of Down syndrome. <i>Blood</i> , 2015, 125, 1292-1301.	1.4	66
12	Cyclosporin A-induced hair growth in mice is associated with inhibition of calcineurin-dependent activation of NFAT in follicular keratinocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 284, C1593-C1603.	4.6	62
13	The organotellurium compound ammonium trichloro(dioxoethylene-0, ω^1) tellurate enhances neuronal survival and improves functional outcome in an ischemic stroke model in mice. <i>Journal of Neurochemistry</i> , 2007, 102, 1232-1241.	3.9	61
14	Induction of a subpopulation of suppressor cells by a single blood transfusion. <i>Kidney International</i> , 1992, 41, 143-148.	5.2	60
15	The effect of the novel tellurium compound AS101 on autoimmune diseases. <i>Autoimmunity Reviews</i> , 2014, 13, 1230-1235.	5.8	57
16	Long-term growth and cloning of non-transformed lymphocytes. <i>Nature</i> , 1981, 294, 697-699.	27.8	55
17	Redox Modulation of Adjacent Thiols in VLA-4 by AS101 Converts Myeloid Leukemia Cells from a Drug-Resistant to Drug-Sensitive State. <i>Cancer Research</i> , 2014, 74, 3092-3103.	0.9	55
18	Characterization and activity of sonochemically-prepared BSA microspheres containing Taxol " An anticancer drug. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 661-666.	8.2	52

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19	The anti-inflammatory effects of the tellurium redox modulating compound, AS101, are associated with regulation of NF κ B signaling pathway and nitric oxide induction in macrophages. <i>Journal of Inflammation</i> , 2010, 7, 3.	3.4	52
20	ImmuKnow: A new parameter in immune monitoring of pediatric liver transplantation recipients. <i>Liver Transplantation</i> , 2008, 14, 893-898.	2.4	51
21	Hair growth induction by the tellurium immunomodulator AS101: association with delayed terminal differentiation of follicular keratinocytes and ras-dependent up-regulation of KGF expression. <i>FASEB Journal</i> , 2004, 18, 1-30.	0.5	49
22	Preceding the rejection: In search for a comprehensive post-transplant immune monitoring platform. <i>Transplant Immunology</i> , 2007, 18, 7-12.	1.2	45
23	Synergistic anti-tumoral effect of paclitaxel (taxol)+AS101 in a murine model of B16 melanoma: Association with ras-dependent signal-transduction pathways. , 2000, 86, 281-288.		43
24	Experimental handling stress as infection-facilitating factor for the goldfish ulcerative disease. <i>Veterinary Immunology and Immunopathology</i> , 2006, 109, 279-287.	1.2	42
25	Individualized Immune Monitoring of Cardiac Transplant Recipients by Noninvasive Longitudinal Cellular Immunity Tests. <i>Transplantation</i> , 2010, 89, 968-976.	1.0	41
26	Inhibition of Interleukin-10 by the Immunomodulator AS101 Reduces Mesangial Cell Proliferation in Experimental Mesangioproliferative Glomerulonephritis. <i>Journal of Biological Chemistry</i> , 2004, 279, 24724-24732.	3.4	39
27	The immunomodulator AS101 induces growth arrest and apoptosis in Multiple Myeloma: Association with the Akt/Survivin pathway. <i>Biochemical Pharmacology</i> , 2006, 72, 1423-1431.	4.4	38
28	Blood Transfusion Enhances Production of T-Helper-2 Cytokines and Transforming Growth Factor γ in Humans. <i>Clinical Science</i> , 1996, 91, 519-523.	4.3	36
29	Octa- <i>O</i> -bis(<i>R,R</i>)-Tartarate Ditellurane (SAS) a Novel Bioactive Organotellurium(IV) Compound: Synthesis, Characterization, and Protease Inhibitory Activity. <i>ChemMedChem</i> , 2007, 2, 1601-1606.	3.2	36
30	Suppressed cell-mediated immunity and monocyte and natural killer cell activity following allogeneic immunization of women with spontaneous recurrent abortion. <i>Journal of Clinical Immunology</i> , 1997, 17, 408-419.	3.8	35
31	Mesangial cells initiate compensatory renal tubular hypertrophy via IL-10-induced TGF- β secretion: effect of the immunomodulator AS101 on this process. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F384-F394.	2.7	35
32	Resolution of inflammation-related apoptotic processes by the synthetic tellurium compound, AS101 following liver injury. <i>Journal of Hepatology</i> , 2009, 51, 491-503.	3.7	35
33	Production of the Novel Mesangial Autocrine Growth Factors GDNF and IL-10 Is Regulated by the Immunomodulator AS101. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 620-630.	6.1	34
34	The Tellurium compound, AS101, increases SIRT1 level and activity and prevents type 2 diabetes. <i>Aging</i> , 2012, 4, 436-447.	3.1	34
35	Enhancing Effects of Autologous Erythrocytes on Human or Mouse Cytokine Secretion and IL-2R Expression. <i>Cellular Immunology</i> , 1993, 148, 114-129.	3.0	33
36	The Synthetic Tellurium Compound, AS101, Is a Novel Inhibitor of IL-1 β -Converting Enzyme. <i>Journal of Interferon and Cytokine Research</i> , 2007, 27, 453-462.	1.2	31

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37	Multifunctional Activity of a Small Tellurium Redox Immunomodulator Compound, AS101, on Dextran Sodium Sulfate-induced Murine Colitis. <i>Journal of Biological Chemistry</i> , 2014, 289, 17215-17227.	3.4	30
38	Specific Susceptibility to COVID-19 in Adults with Down Syndrome. <i>NeuroMolecular Medicine</i> , 2021, 23, 561-571.	3.4	30
39	Toxicity study in rats of a tellurium based immunomodulating drug, AS-101: A potential drug for AIDS and cancer patients. <i>Archives of Toxicology</i> , 1989, 63, 386-393.	4.2	29
40	Anemia of uremia is associated with reduced in vitro cytokine secretion: Immunopotentiating activity of red blood cells. <i>Kidney International</i> , 1994, 45, 224-231.	5.2	27
41	AS101 ameliorates experimental autoimmune uveitis by regulating Th1 and Th17 responses and inducing Treg cells. <i>Journal of Autoimmunity</i> , 2019, 100, 52-61.	6.5	26
42	Immune Dysregulation and the Increased Risk of Complications and Mortality Following Respiratory Tract Infections in Adults With Down Syndrome. <i>Frontiers in Immunology</i> , 2021, 12, 621440.	4.8	26
43	The Immunomodulator AS101 Restores TH1 Type of Response Suppressed by Babesia rodhainii in BALB/c Mice. <i>Cellular Immunology</i> , 1998, 184, 12-25.	3.0	25
44	Double-stranded RNA-dependent protein kinase, PKR, down-regulates CDC2/cyclin B1 and induces apoptosis in non-transformed but not in v-mos transformed cells. <i>Oncogene</i> , 2001, 20, 8045-8056.	5.9	24
45	Bactericidal activity of the organo-tellurium compound AS101 against <i>Enterobacter cloacae</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2012, 67, 2165-2172.	3.0	24
46	The Anticancer Activity of Organotelluranes: Potential Role in Integrin Inactivation. <i>ChemBioChem</i> , 2016, 17, 918-927.	2.6	24
47	Sensitizing B- and T- cell Lymphoma Cells to Paclitaxel/Abraxane-Induced Death by AS101 via Inhibition of the VLA-4/IL10-Survivin Axis. <i>Molecular Cancer Research</i> , 2015, 13, 411-422.	3.4	20
48	Photofrin II induces cytokine secretion by mouse spleen cells and human peripheral mononuclear cells. <i>Immunopharmacology</i> , 1996, 31, 195-204.	2.0	19
49	Regulatory effects of macrophage-secreted factors on T-lymphocyte colony growth. <i>Cellular Immunology</i> , 1978, 36, 15-27.	3.0	18
50	Inhibition of the Reverse Transcriptase Activity and Replication of Human Immunodeficiency Virus Type 1 by AS 101 In Vitro. <i>AIDS Research and Human Retroviruses</i> , 1992, 8, 613-623.	1.1	18
51	The organotellurium compound ammonium trichloro(dioxoethylene-o, ω^2)tellurate reacts with homocysteine to form homocystine and decreases homocysteine levels in hyperhomocysteinemic mice. <i>FEBS Journal</i> , 2007, 274, 3159-3170.	4.7	18
52	AS101 Prevents Diabetic Nephropathy Progression and Mesangial Cell Dysfunction: Regulation of the AKT Downstream Pathway. <i>PLoS ONE</i> , 2014, 9, e114287.	2.5	18
53	A potential antimicrobial treatment against ESBL-producing <i>Klebsiella pneumoniae</i> using the tellurium compound AS101. <i>Archives of Microbiology</i> , 2009, 191, 631-638.	2.2	17
54	The cyclin kinase inhibitor p57kip2 regulates TGF- β -induced compensatory tubular hypertrophy: effect of the immunomodulator AS101. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 2328-2338.	0.7	15

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55	The tellurium redox immunomodulating compound AS101 inhibits IL-1 β -activated inflammation in the human retinal pigment epithelium. <i>British Journal of Ophthalmology</i> , 2013, 97, 934-938.	3.9	15
56	Neutral and positively charged thiols synergize the effect of the immunomodulator AS101 as a growth inhibitor of Jurkat cells, by increasing its uptake. <i>Biochemical Pharmacology</i> , 2007, 74, 712-722.	4.4	14
57	Upregulation of carp GDNF mRNA by the immunomodulator AS101. <i>Developmental and Comparative Immunology</i> , 2006, 30, 441-446.	2.3	12
58	Induction therapy in a multiple myeloma mouse model using a combination of AS101 and melphalan, and the activity of AS101 in a tumor microenvironment model. <i>Experimental Hematology</i> , 2009, 37, 593-603.	0.4	12
59	Tellurium Compound AS101 Ameliorates Experimental Autoimmune Encephalomyelitis by VLA-4 Inhibition and Suppression of Monocyte and T Cell Infiltration into the CNS. <i>NeuroMolecular Medicine</i> , 2014, 16, 292-307.	3.4	12
60	The small tellurium-based compound SAS suppresses inflammation in human retinal pigment epithelium. <i>Molecular Vision</i> , 2016, 22, 548-62.	1.1	12
61	Tellurium Compounds Prevent and Reverse Type-1 Diabetes in NOD Mice by Modulating $\alpha 4 \beta 7$ Integrin Activity, IL-1 β , and T Regulatory Cells. <i>Frontiers in Immunology</i> , 2019, 10, 979.	4.8	11
62	Alloreactivity of Antigen-Specific T Cell Clones. , 1982, , 375-384.		11
63	The immunomodulator AS101 suppresses production of inflammatory cytokines and ameliorates the pathogenesis of experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2014, 273, 31-41.	2.3	10
64	Cyclosporin A-induced hair growth in mice is associated with inhibition of hair follicle regression. <i>Archives of Dermatological Research</i> , 2004, 296, 265-269.	1.9	9
65	Ligand-Substitution Reactions of the Tellurium Compound AS-101 in Physiological Aqueous and Alcoholic Solutions. <i>Inorganic Chemistry</i> , 2016, 55, 10847-10850.	4.0	9
66	The Small Tellurium Compound AS101 Ameliorates Rat Crescentic Glomerulonephritis: Association with Inhibition of Macrophage Caspase-1 Activity via Very Late Antigen-4 Inactivation. <i>Frontiers in Immunology</i> , 2017, 8, 240.	4.8	9
67	The immunomodulatory tellurium compound ammonium trichloro (dioxoethylene-O, $\text{O}^{\ominus 2}$) tellurate reduces anxiety-like behavior and corticosterone levels of submissive mice. <i>Behavioural Pharmacology</i> , 2017, 28, 458-465.	1.7	8
68	Novel Involvement of the Immunomodulator AS101 in IL-10 Signaling, via the Tyrosine Kinase Fer. <i>Annals of the New York Academy of Sciences</i> , 2007, 1095, 240-250.	3.8	7
69	Multiple signal transduction pathways are involved in G ₂ /M growth arrest and apoptosis induced by the immunomodulator AS101 in multiple myeloma. <i>Leukemia and Lymphoma</i> , 2013, 54, 160-166.	1.3	7
70	Ribonuclease activity of p53 in cytoplasm in response to various stress signals. <i>Cell Cycle</i> , 2012, 11, 1400-1413.	2.6	6
71	Methods for long term growth and cloning of T cells reactive with soluble antigens. <i>Journal of Immunological Methods</i> , 1982, 49, R1-R10.	1.4	4
72	The immune-modulator AS101 reduces anti-HLA antibodies in sera of sensitized patients: A structural approach. <i>International Immunopharmacology</i> , 2012, 13, 483-489.	3.8	4

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73	Antibacterial effects of the tellurium compound OTD on E. coli isolates. Archives of Microbiology, 2014, 196, 51-61.	2.2	4
74	AS101-Loaded PLGA-PEG Nanoparticles for Autoimmune Regulation and Chemosensitization. ACS Applied Bio Materials, 2019, 2, 2246-2251.	4.6	3
75	Ocular inflammation stimulated by the immunomodulator AS101 [ammonium trichloro(dioxyethelene-O-O') tellurate]. Current Eye Research, 1994, 13, 603-610.	1.5	2
76	A Peptide of CD14 Protects Human Lymphocytes from Gliotoxin-Induced Apoptosis. International Journal of Peptide Research and Therapeutics, 2012, 18, 249-258.	1.9	2
77	Tellurium compound provides pro-apoptotic signaling in drug resistant multiple myeloma. Leukemia and Lymphoma, 2021, 62, 1146-1156.	1.3	2
78	A Tellurium-Based Small Immunomodulatory Molecule Ameliorates Depression-Like Behavior in Two Distinct Rat Models. NeuroMolecular Medicine, 2020, 22, 437-446.	3.4	1
79	Human T Cell Clones Reactive with Soluble Antigens: Methodology, Specificity, and MHC Restriction. , 1982, , 439-447.		1
80	LONG TERM GROWTH OF B-LYMPHOCYTES. Annals of the New York Academy of Sciences, 1982, 399, 105-111.	3.8	0