

# Sonia Berrih-Aknin

## List of Publications by Year in descending order

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129  
papers

5,798  
citations

66234

42  
h-index

85405

71  
g-index

132  
all docs

132  
docs citations

132  
times ranked

5143  
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional defect of regulatory CD4+CD25+ T cells in the thymus of patients with autoimmune myasthenia gravis. <i>Blood</i> , 2005, 105, 735-741.	0.6	369
2	Myasthenia gravis: A comprehensive review of immune dysregulation and etiological mechanisms. <i>Journal of Autoimmunity</i> , 2014, 52, 90-100.	3.0	279
3	Fewer thymic changes in MuSK antibody-positive than in MuSK antibody-negative MG. <i>Annals of Neurology</i> , 2005, 57, 444-448.	2.8	216
4	Diagnostic and clinical classification of autoimmune myasthenia gravis. <i>Journal of Autoimmunity</i> , 2014, 48-49, 143-148.	3.0	204
5	Human thymus contains IFN- $\gamma$ -producing CD11c <sup>+</sup> , myeloid CD11c <sup>+</sup> , and mature interdigitating dendritic cells. <i>Journal of Clinical Investigation</i> , 2001, 107, 835-844.	3.9	172
6	Estrogen-mediated downregulation of AIRE influences sexual dimorphism in autoimmune diseases. <i>Journal of Clinical Investigation</i> , 2016, 126, 1525-1537.	3.9	153
7	Mesenchymal stem cells as an immunomodulatory therapeutic strategy for autoimmune diseases. <i>Autoimmunity Reviews</i> , 2011, 10, 410-415.	2.5	148
8	The chemokine CXCL13 is a key molecule in autoimmune myasthenia gravis. <i>Blood</i> , 2006, 108, 432-440.	0.6	143
9	Phenotypic and Immunohistological Analyses of the Human Adult Thymus: Evidence for an Active Thymus during Adult Life. <i>Cellular Immunology</i> , 1997, 179, 30-40.	1.4	130
10	Both Treg cells and Tconv cells are defective in the Myasthenia gravis thymus: Roles of IL-17 and TNF- $\alpha$ . <i>Journal of Autoimmunity</i> , 2014, 52, 53-63.	3.0	118
11	Myasthenia Gravis Thymus. <i>American Journal of Pathology</i> , 2007, 171, 893-905.	1.9	113
12	Epstein-Barr virus persistence and reactivation in myasthenia gravis thymus. <i>Annals of Neurology</i> , 2010, 67, 726-738.	2.8	103
13	Myasthenia Gravis: Paradox versus paradigm in autoimmunity. <i>Journal of Autoimmunity</i> , 2014, 52, 1-28.	3.0	102
14	A Specific Interferon (IFN)-stimulated Response Element of the Distal HLA-G Promoter Binds IFN-regulatory Factor 1 and Mediates Enhancement of This Nonclassical Class I Gene by IFN- $\gamma$ . <i>Journal of Biological Chemistry</i> , 2001, 276, 6133-6139.	1.6	99
15	Genetic basis of myasthenia gravis – A comprehensive review. <i>Journal of Autoimmunity</i> , 2014, 52, 146-153.	3.0	98
16	Effects of Cytokines on Acetylcholine Receptor Expression: Implications for Myasthenia Gravis. <i>Journal of Immunology</i> , 2005, 174, 5941-5949.	0.4	92
17	Ectopic germinal centers, BAFF and anti-B-cell therapy in myasthenia gravis. <i>Autoimmunity Reviews</i> , 2013, 12, 885-893.	2.5	84
18	In vivo and in vitro apoptosis of human thymocytes are associated with nitrotyrosine formation. <i>Blood</i> , 2001, 97, 3521-3530.	0.6	78

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19	Overexpression of IFN-Induced Protein 10 and Its Receptor CXCR3 in Myasthenia Gravis. <i>Journal of Immunology</i> , 2005, 174, 5324-5331.	0.4	76
20	Etiology of myasthenia gravis: Innate immunity signature in pathological thymus. <i>Autoimmunity Reviews</i> , 2013, 12, 863-874.	2.5	75
21	Implication of double-stranded RNA signaling in the etiology of autoimmune myasthenia gravis. <i>Annals of Neurology</i> , 2013, 73, 281-293.	2.8	73
22	Modulation of HLA-G expression in human thymic and amniotic epithelial cells. <i>Human Immunology</i> , 2000, 61, 1095-1101.	1.2	71
23	Thymus involvement in early-onset myasthenia gravis. <i>Annals of the New York Academy of Sciences</i> , 2018, 1412, 137-145.	1.8	71
24	Thymic Germinal Centers and Corticosteroids in Myasthenia Gravis: an Immunopathological Study in 1035 Cases and a Critical Review. <i>Clinical Reviews in Allergy and Immunology</i> , 2017, 52, 108-124.	2.9	70
25	Differential Estrogen Receptor Expression in Autoimmune Myasthenia Gravis. <i>Endocrinology</i> , 2005, 146, 2345-2353.	1.4	69
26	IL-6 and Akt are involved in muscular pathogenesis in myasthenia gravis. <i>Acta Neuropathologica Communications</i> , 2015, 3, 1.	2.4	69
27	Microarrays Reveal Distinct Gene Signatures in the Thymus of Seropositive and Seronegative Myasthenia Gravis Patients and the Role of CC Chemokine Ligand 21 in Thymic Hyperplasia. <i>Journal of Immunology</i> , 2006, 177, 7868-7879.	0.4	67
28	A Pure Population of Ectodermal Cells Derived from Human Embryonic Stem Cells. <i>Stem Cells</i> , 2008, 26, 440-444.	1.4	66
29	CCL21 overexpressed on lymphatic vessels drives thymic hyperplasia in myasthenia. <i>Annals of Neurology</i> , 2009, 66, 521-531.	2.8	64
30	Central role of interferon-beta in thymic events leading to myasthenia gravis. <i>Journal of Autoimmunity</i> , 2014, 52, 44-52.	3.0	63
31	Thymic remodeling associated with hyperplasia in myasthenia gravis. <i>Autoimmunity</i> , 2010, 43, 401-412.	1.2	62
32	Circulating miRNAs in myasthenia gravis: miR-150-5p as a new potential biomarker. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 49-58.	1.7	62
33	SDF-1/CXCL12 recruits B cells and antigen-presenting cells to the thymus of autoimmune myasthenia gravis patients. <i>Immunobiology</i> , 2013, 218, 373-381.	0.8	57
34	Integrative analysis of methylome and transcriptome in human blood identifies extensive sex- and immune cell-specific differentially methylated regions. <i>Epigenetics</i> , 2015, 10, 943-957.	1.3	57
35	The thymus in myasthenia gravis: Site of innate autoimmunity?. <i>Muscle and Nerve</i> , 2011, 44, 467-484.	1.0	56
36	Regulatory and Pathogenic Mechanisms in Human Autoimmune Myasthenia Gravis. <i>Annals of the New York Academy of Sciences</i> , 2008, 1132, 135-142.	1.8	49

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37	Potential Role of NKG2D/MHC Class I-Related Chain A Interaction in Intrathymic Maturation of Single-Positive CD8 T Cells. <i>Journal of Immunology</i> , 2003, 171, 1909-1917.	0.4	48
38	Thymocyte Fas Expression Is Dysregulated in Myasthenia Gravis Patients With Anti-Acetylcholine Receptor Antibody. <i>Blood</i> , 1997, 89, 3287-3295.	0.6	46
39	Impairment of regulatory T cells in myasthenia gravis: Studies in an experimental model. <i>Autoimmunity Reviews</i> , 2013, 12, 894-903.	2.5	46
40	Establishment of a Human Thymic Myoid Cell Line. <i>American Journal of Pathology</i> , 1999, 155, 1229-1240.	1.9	45
41	Thymic myoid cells express high levels of muscle genes. <i>Journal of Neuroimmunology</i> , 2004, 148, 97-105.	1.1	45
42	Normal human immunoglobulin suppresses experimental myasthenia gravis in SCID mice. <i>European Journal of Immunology</i> , 1999, 29, 2436-2442.	1.6	44
43	Ectopic GC in the thymus of myasthenia gravis patients show characteristics of normal GC. <i>European Journal of Immunology</i> , 2010, 40, 1150-1161.	1.6	43
44	Autoimmune myasthenia gravis. <i>Current Opinion in Neurology</i> , 2013, 26, 569-576.	1.8	42
45	Major pathogenic effects of anti-MuSK antibodies in Myasthenia Gravis. <i>Journal of Neuroimmunology</i> , 2006, 177, 119-131.	1.1	41
46	Clonal heterogeneity of thymic B cells from early-onset myasthenia gravis patients with antibodies against the acetylcholine receptor. <i>Journal of Autoimmunity</i> , 2014, 52, 101-112.	3.0	41
47	Synergistic induction of interleukin-6 production and gene expression in human thymic epithelial cells by LPS and cytokines. <i>Cellular Immunology</i> , 1991, 138, 79-93.	1.4	39
48	Human mesenchymal stem cells shift CD8+ T cells towards a suppressive phenotype by inducing tolerogenic monocytes. <i>Journal of Cell Science</i> , 2012, 125, 4640-50.	1.2	39
49	Balance between Estrogens and Proinflammatory Cytokines Regulates Chemokine Production Involved in Thymic Germinal Center Formation. <i>Scientific Reports</i> , 2017, 7, 7970.	1.6	39
50	An imbalance between regulatory T cells and T helper 17 cells in acetylcholine receptor- $\alpha$ -positive myasthenia gravis patients. <i>Annals of the New York Academy of Sciences</i> , 2018, 1413, 154-162.	1.8	39
51	Estrogen, estrogen-like molecules and autoimmune diseases. <i>Autoimmunity Reviews</i> , 2020, 19, 102468.	2.5	39
52	Anti-acetylcholine receptor antibodies in neonatal myasthenia gravis: Heterogeneity and pathogenic significance. <i>Journal of Autoimmunity</i> , 1991, 4, 185-195.	3.0	38
53	Altered intrathymic T-cell repertoire in human myasthenia gravis. <i>Annals of Neurology</i> , 1997, 41, 731-741.	2.8	38
54	Fas/APO-1/CD95 in health and autoimmune disease: thymic and peripheral aspects. <i>Seminars in Immunology</i> , 1998, 10, 449-456.	2.7	38

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55	The susceptibility of Aire <sup>-/-</sup> mice to experimental myasthenia gravis involves alterations in regulatory T cells. <i>Journal of Autoimmunity</i> , 2011, 36, 16-24.	3.0	38
56	T cells from autoimmune patients display reduced sensitivity to immunoregulation by mesenchymal stem cells: Role of IL-2. <i>Autoimmunity Reviews</i> , 2014, 13, 187-196.	2.5	37
57	Thymoma-associated myasthenia gravis: On the search for a pathogen signature. <i>Journal of Autoimmunity</i> , 2014, 52, 29-35.	3.0	37
58	Prevention of autoimmune attack by targeting specific T-cell receptors in a severe combined immunodeficiency mouse model of myasthenia gravis. <i>Annals of Neurology</i> , 1999, 46, 559-567.	2.8	36
59	Mature Human Thymocytes Migrate on Laminin-5 with Activation of Metalloproteinase-14 and Cleavage of CD44. <i>Journal of Immunology</i> , 2004, 172, 1397-1406.	0.4	35
60	The thymic theme of acetylcholinesterase splice variants in myasthenia gravis. <i>Blood</i> , 2007, 109, 4383-4391.	0.6	35
61	IL-23/Th17 cell pathway: A promising target to alleviate thymic inflammation maintenance in myasthenia gravis. <i>Journal of Autoimmunity</i> , 2019, 98, 59-73.	3.0	35
62	Novel CXCL13 transgenic mouse: inflammation drives pathogenic effect of CXCL13 in experimental myasthenia gravis. <i>Oncotarget</i> , 2016, 7, 7550-7562.	0.8	34
63	Risk factors associated with myasthenia gravis in thymoma patients: The potential role of thymic germinal centers. <i>Journal of Autoimmunity</i> , 2020, 106, 102337.	3.0	34
64	Guidelines for standard preclinical experiments in the mouse model of myasthenia gravis induced by acetylcholine receptor immunization. <i>Experimental Neurology</i> , 2015, 270, 11-17.	2.0	33
65	Evidence of enhanced recombinant interleukin-2 sensitivity in thymic lymphocytes from patients with myasthenia gravis: possible role in autoimmune pathogenesis. <i>Journal of Neuroimmunology</i> , 1989, 24, 75-85.	1.1	31
66	Defects of immunoregulatory mechanisms in myasthenia gravis: role of IL-17. <i>Annals of the New York Academy of Sciences</i> , 2012, 1274, 40-47.	1.8	27
67	VAV1 and BAFF, via NF- $\kappa$ B pathway, are genetic risk factors for myasthenia gravis. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 329-339.	1.7	27
68	Autoimmune Thyroiditis and Myasthenia Gravis. <i>Frontiers in Endocrinology</i> , 2017, 8, 169.	1.5	27
69	Review on Toll-Like Receptor Activation in Myasthenia Gravis: Application to the Development of New Experimental Models. <i>Clinical Reviews in Allergy and Immunology</i> , 2017, 52, 133-147.	2.9	26
70	Thymus and Myasthenia Gravis: What can we learn from DNA microarrays?. <i>Journal of Neuroimmunology</i> , 2008, 201-202, 57-63.	1.1	25
71	Inflammation and Epstein-Barr Virus Infection Are Common Features of Myasthenia Gravis Thymus: Possible Roles in Pathogenesis. <i>Autoimmune Diseases</i> , 2011, 2011, 1-17.	2.7	25
72	Analysis of microRNA expression in the thymus of Myasthenia Gravis patients opens new research avenues. <i>Autoimmunity Reviews</i> , 2018, 17, 588-600.	2.5	25

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73	T-cell antigenic sites involved in Myasthenia Gravis: Correlations with antibody titre and disease severity. <i>Journal of Autoimmunity</i> , 1991, 4, 137-153.	3.0	24
74	Causes and Consequences of miR-150-5p Dysregulation in Myasthenia Gravis. <i>Frontiers in Immunology</i> , 2019, 10, 539.	2.2	24
75	High recombinant interleukin-2 sensitivity of peripheral blood lymphocytes from patients with Myasthenia Gravis: Correlations with clinical parameters. <i>Journal of Autoimmunity</i> , 1989, 2, 241-258.	3.0	23
76	Role of the thymus in autoimmune myasthenia gravis. <i>Clinical and Experimental Neuroimmunology</i> , 2016, 7, 226-237.	0.5	23
77	Methylome and transcriptome profiling in Myasthenia Gravis monozygotic twins. <i>Journal of Autoimmunity</i> , 2017, 82, 62-73.	3.0	23
78	Preconditioned mesenchymal stem cells treat myasthenia gravis in a humanized preclinical model. <i>JCI Insight</i> , 2017, 2, e89665.	2.3	21
79	Circulating regulatory anti-T cell receptor antibodies in patients with myasthenia gravis. <i>Journal of Clinical Investigation</i> , 2003, 112, 265-274.	3.9	21
80	Antibodies to thymic epithelial cells in myasthenia gravis. <i>Journal of Neuroimmunology</i> , 1991, 35, 101-110.	1.1	20
81	Muscle satellite cells are functionally impaired in myasthenia gravis: consequences on muscle regeneration. <i>Acta Neuropathologica</i> , 2017, 134, 869-888.	3.9	20
82	Pathophysiological mechanisms of autoimmunity. <i>Annals of the New York Academy of Sciences</i> , 2018, 1413, 59-68.	1.8	20
83	Cultured Human Thymic-Derived Cells Display Medullary Thymic Epithelial Cell Phenotype and Functionality. <i>Frontiers in Immunology</i> , 2018, 9, 1663.	2.2	20
84	Isolation of potent human Fab fragments against a novel highly immunogenic region on human muscle acetylcholine receptor which protect the receptor from myasthenic autoantibodies. <i>European Journal of Immunology</i> , 2005, 35, 632-643.	1.6	19
85	Functional Fas Expression in Human Thymic Epithelial Cells. <i>Blood</i> , 1999, 93, 2660-2670.	0.6	18
86	Identifying Alternative Hyper-Splicing Signatures in MG-Thymoma by Exon Arrays. <i>PLoS ONE</i> , 2008, 3, e2392.	1.1	18
87	Regulatory B cells in myasthenia gravis are differentially affected by therapies. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 1408-1414.	1.7	18
88	Use of Toll-Like Receptor Agonists to Induce Ectopic Lymphoid Structures in Myasthenia Gravis Mouse Models. <i>Frontiers in Immunology</i> , 2017, 8, 1029.	2.2	16
89	Modulation of acetylcholine receptor expression in seronegative myasthenia gravis. <i>Annals of Neurology</i> , 2000, 48, 696-705.	2.8	15
90	Silencing rapsyn in vivo decreases acetylcholine receptors and augments sodium channels and secondary postsynaptic membrane folding. <i>Neurobiology of Disease</i> , 2009, 35, 14-23.	2.1	15

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91	AIRE: a missing link to explain female susceptibility to autoimmune diseases. <i>Annals of the New York Academy of Sciences</i> , 2018, 1412, 21-32.	1.8	15
92	Decreased expression of miR-29 family associated with autoimmune myasthenia gravis. <i>Journal of Neuroinflammation</i> , 2020, 17, 294.	3.1	14
93	The benefits and tolerance of exercise in myasthenia gravis (MGEX): study protocol for a randomised controlled trial. <i>Trials</i> , 2018, 19, 49.	0.7	13
94	EMERGENCE OF INFLAMMATORY ALVEOLAR MACROPHAGES DURING REJECTION OR INFECTION AFTER LUNG TRANSPLANTATION. <i>Transplantation</i> , 1994, 57, 1621-1627.	0.5	13
95	Cortactin: A new target in autoimmune myositis and Myasthenia Gravis. <i>Autoimmunity Reviews</i> , 2014, 13, 1001-1002.	2.5	11
96	Particular phenotypic profile of blood lymphocytes during obliterative bronchiolitis syndrome following lung transplantation. <i>Transplant Immunology</i> , 1994, 2, 243-251.	0.6	10
97	Expression and modulation of ICAM-1, TNF- $\alpha$ and RANTES in human alveolar macrophages from lung-transplant recipients in vitro. <i>Transplant Immunology</i> , 1998, 6, 183-192.	0.6	10
98	Involvement of phosphodiesterases in autoimmune diseases. <i>Journal of Neuroimmunology</i> , 2010, 220, 43-51.	1.1	10
99	Experimental myasthenia gravis in Aire-deficient mice: a link between Aire and regulatory T cells. <i>Annals of the New York Academy of Sciences</i> , 2012, 1275, 107-113.	1.8	10
100	The Muscle Is Not a Passive Target in Myasthenia Gravis. <i>Frontiers in Neurology</i> , 2019, 10, 1343.	1.1	10
101	Myasthenia Gravis: An Acquired Interferonopathy?. <i>Cells</i> , 2022, 11, 1218.	1.8	9
102	Thymectomy in myasthenia gravis: when, why, and how?. <i>Lancet Neurology</i> , The, 2019, 18, 225-226.	4.9	8
103	Circulating regulatory anti-T cell receptor antibodies in patients with myasthenia gravis. <i>Journal of Clinical Investigation</i> , 2003, 112, 265-274.	3.9	8
104	T Cell deletion and unresponsiveness induced by intrathymic injection of staphylococcal enterotoxin B. <i>Transplant Immunology</i> , 2000, 8, 39-48.	0.6	7
105	Reduced thymic expression of ErbB receptors without auto-antibodies against synaptic ErbB in myasthenia gravis. <i>Journal of Neuroimmunology</i> , 2011, 232, 158-165.	1.1	7
106	Cutting edge in Myasthenia Gravis. <i>Autoimmunity Reviews</i> , 2013, 12, 861-862.	2.5	7
107	In vivo preferential usage of TCR V $\beta$ 8 in Torpedo acetylcholine receptor immune response in the murine experimental model of myasthenia gravis. <i>Journal of Neuroimmunology</i> , 1995, 58, 191-200.	1.1	6
108	DNA Microarray in Search of New Drug Targets for Myasthenia Gravis. <i>Annals of the New York Academy of Sciences</i> , 2007, 1107, 111-117.	1.8	6

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109	Normal human immunoglobulin suppresses experimental myasthenia gravis in SCID mice. , 1999, 29, 2436.		6
110	Comparative Analysis of Thymic and Blood Treg in Myasthenia Gravis: Thymic Epithelial Cells Contribute to Thymic Immunoregulatory Defects. <i>Frontiers in Immunology</i> , 2020, 11, 782.	2.2	6
111	Human Myoid Cells Protect Thymocytes from Apoptosis. <i>Annals of the New York Academy of Sciences</i> , 2003, 998, 266-269.	1.8	5
112	T-Cell Receptor Expression in the Thymus from Patients with Myasthenia Gravis. <i>Annals of the New York Academy of Sciences</i> , 1995, 756, 438-440.	1.8	4
113	Vaccines against myasthenia gravis. <i>Expert Opinion on Biological Therapy</i> , 2005, 5, 983-995.	1.4	4
114	Expression of ciliary neurotrophic factor receptor in myasthenia gravis. <i>Journal of Neuroimmunology</i> , 2001, 120, 180-189.	1.1	3
115	Characterization of a Fully Human IgG1 Reconstructed from an Anti-AChR Fab. <i>Annals of the New York Academy of Sciences</i> , 2003, 998, 399-400.	1.8	3
116	Human Embryonic Stem Cells Prevent T-Cell Activation by Suppressing Dendritic Cells Function via TGF-Beta Signaling Pathway. <i>Stem Cells</i> , 2014, 32, 3137-3149.	1.4	3
117	Editorial: Advances in Autoimmune Myasthenia Gravis. <i>Frontiers in Immunology</i> , 2020, 11, 1688.	2.2	3
118	Phenotypic and functional studies of CD21 on human thymocytes. <i>Molecular Immunology</i> , 1998, 35, 346.	1.0	2
119	Kinetic analysis of microchimerism induced by intrathymic injection of allogeneic splenocytes in mice. <i>Transplant Immunology</i> , 2000, 8, 31-37.	0.6	2
120	Human thymus contains IFN- $\gamma$ -producing CD11c <sup>+</sup> , myeloid CD11c <sup>+</sup> , and mature interdigitating dendritic cells. <i>Journal of Clinical Investigation</i> , 2001, 108, 1237-1237.	3.9	2
121	Imbalance between T follicular helper and T follicular regulatory cells in myasthenia gravis. <i>Journal of Xiangya Medicine</i> , 2017, 2, 22-22.	0.2	1
122	Immunopathogenesis of Myasthenia Gravis. , 2018, , 47-60.		1
123	Two Signaling Pathways Can Increase Fas Expression in Human Thymocytes. <i>Blood</i> , 1998, 92, 1297-1307.	0.6	1
124	Comparison of T cell sites recognized by thymic and blood lymphocytes in Myasthenia Gravis patients. <i>Journal of Autoimmunity</i> , 1989, 2, 902-903.	3.0	0
125	Trans-encoded DQ $\alpha$ $\beta$ heterodimers confer susceptibility to myasthenia gravis disease. <i>Neuromuscular Disorders</i> , 1994, 4, S3.	0.3	0
126	Integrative analysis of DNA methylation and gene expression identifies distinct profiles among immune cells subsets. <i>Journal of Neuroimmunology</i> , 2014, 275, 67-68.	1.1	0



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127	Tolerance of a Transgenic Self Antigen Expressed in the Thymus: Implication for Myasthenia gravis. , 2000, , 20-27.		0
128	Evidence for an Upregulation of Acetylcholine Receptor Messenger Subunits Triggered by Antibody-Mediated Receptor Internalization in Human Myasthenia Gravis Muscles. , 2000, , 141-149.		0
129	Functional Fas Expression in Human Thymic Epithelial Cells. Blood, 1999, 93, 2660-2670.	0.6	0