

# Ralph Snyderman

## List of Publications by Year in descending order

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137  
papers

6,823  
citations

46918

47  
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64668

79  
g-index

137  
all docs

137  
docs citations

137  
times ranked

3341  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Inherited Abnormality of Neutrophil Adhesion. <i>New England Journal of Medicine</i> , 1980, 302, 1163-1168.	13.9	304
2	Regulation of Human Chemokine Receptors CXCR4. <i>Journal of Biological Chemistry</i> , 1997, 272, 28726-28731.	1.6	260
3	Chemoattractant Receptor Cross-desensitization. <i>Journal of Biological Chemistry</i> , 1999, 274, 6027-6030.	1.6	236
4	Potential role for a guanine nucleotide regulatory protein in chemoattractant receptor mediated polyphosphoinositide metabolism, Ca <sup>++</sup> mobilization and cellular responses by leukocytes. <i>Biochemical and Biophysical Research Communications</i> , 1985, 127, 450-457.	1.0	226
5	BIOLOGICAL ACTIVITY OF COMPLEMENT IN VIVO. <i>Journal of Experimental Medicine</i> , 1971, 134, 1131-1143.	4.2	198
6	Model for Leukocyte Regulation by Chemoattractant Receptors: Roles of a Guanine Nucleotide Regulatory Protein and Polyphosphoinositide Metabolism. <i>Journal of Leukocyte Biology</i> , 1986, 40, 785-800.	1.5	176
7	Targeted Disruption of the Leukotriene B <sub>4</sub> Receptor in Mice Reveals Its Role in Inflammation and Platelet-Activating Factor-Induced Anaphylaxis. <i>Journal of Experimental Medicine</i> , 2000, 192, 433-438.	4.2	167
8	Polymorphonuclear Leukocyte Chemotactic Activity in Rabbit Serum and Guinea Pig Serum Treated with Immune Complexes: Evidence for C5a as the Major Chemotactic Factor. <i>Infection and Immunity</i> , 1970, 1, 521-525.	1.0	164
9	The oligopeptide chemotactic factor receptor on human polymorphonuclear leukocyte membranes exists in two affinity states. <i>Biochemical and Biophysical Research Communications</i> , 1982, 106, 442-449.	1.0	147
10	Patient engagement as a risk factor in personalized health care: a systematic review of the literature on chronic disease. <i>Genome Medicine</i> , 2014, 6, 16.	3.6	134
11	Differential Cross-regulation of the Human Chemokine Receptors CXCR1 and CXCR2. <i>Journal of Biological Chemistry</i> , 1998, 273, 23830-23836.	1.6	132
12	Immunosuppressive activity of the retroviral envelope protein P 15E and its possible relationship to neoplasia. <i>Trends in Immunology</i> , 1984, 5, 240-244.	7.5	130
13	Substance P primes human neutrophil activation: A mechanism for neurological regulation of inflammation. <i>Biochemical and Biophysical Research Communications</i> , 1989, 161, 520-524.	1.0	128
14	Integrative Medicine. <i>Archives of Internal Medicine</i> , 2002, 162, 395.	4.3	128
15	Role of the Cytoplasmic Tails of CXCR1 and CXCR2 in Mediating Leukocyte Migration, Activation, and Regulation. <i>Journal of Immunology</i> , 2003, 170, 2904-2911.	0.4	126
16	Significance of Complement to the Mechanism of Action of Endotoxin. <i>Current Topics in Microbiology and Immunology</i> , 1969, 50, 37-77.	0.7	117
17	Factors from Saliva and Oral Bacteria, Chemotactic for Polymorphonuclear Leukocytes: Their Possible Role in Gingival Inflammation. <i>Journal of Periodontology</i> , 1970, 41, 71-80.	1.7	116
18	A Chemotactic Factor for Mononuclear Leukocytes. <i>Experimental Biology and Medicine</i> , 1971, 138, 387-390.	1.1	104

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19	Similarity between p15E of murine and feline leukaemia viruses and p21 of HTLV. <i>Nature</i> , 1984, 311, 515-515.	13.7	104
20	Personalized health care: From theory to practice. <i>Biotechnology Journal</i> , 2012, 7, 973-979.	1.8	104
21	Monocyte Responsiveness to Chemotactic Stimuli is a Property of a Subpopulation of Cells that can Respond to Multiple Chemoattractants. <i>Journal of Clinical Investigation</i> , 1981, 67, 60-68.	3.9	102
22	Defective Mononuclear Leukocyte Chemotaxis: A Previously Unrecognized Immune Dysfunction. <i>Annals of Internal Medicine</i> , 1973, 78, 509.	2.0	99
23	Immunologic Reactions and Periodontal Inflammation. <i>Journal of Dental Research</i> , 1970, 49, 256-261.	2.5	98
24	Prospective Medicine: The Next Health Care Transformation. <i>Academic Medicine</i> , 2003, 78, 1079-1084.	0.8	96
25	Regulation of Human Interleukin-8 Receptor A: Identification of a Phosphorylation Site Involved in Modulating Receptor Functions. <i>Biochemistry</i> , 1995, 34, 14193-14201.	1.2	95
26	Abnormalities of Chemotactic Lymphokine Synthesis and Mononuclear Leukocyte Chemotaxis in Wiskott-Aldrich Syndrome. <i>Journal of Clinical Investigation</i> , 1974, 54, 486-493.	3.9	95
27	Cross-desensitization of Chemoattractant Receptors Occurs at Multiple Levels. <i>Journal of Biological Chemistry</i> , 1995, 270, 27829-27833.	1.6	88
28	Chemoattractant Receptors Activate Distinct Pathways for Chemotaxis and Secretion. <i>Journal of Biological Chemistry</i> , 1999, 274, 37087-37092.	1.6	88
29	MECHANISMS OF INFLAMMATION AND LEUKOCYTE ACTIVATION. <i>Medical Clinics of North America</i> , 1997, 81, 1-28.	1.1	87
30	Human G <sub>i</sub> protein $\beta$ -subunit: deduction of amino acid structure from a cloned cDNA. <i>FEBS Letters</i> , 1987, 211, 160-164.	1.3	81
31	Role of Phospholipase C $\beta$ 3 Phosphorylation in the Desensitization of Cellular Responses to Platelet-activating Factor. <i>Journal of Biological Chemistry</i> , 1997, 272, 11706-11709.	1.6	79
32	Defective Monocyte Function in Patients With Genitourinary Carcinoma 2. <i>Journal of the National Cancer Institute</i> , 1975, 55, 1047-1054.	3.0	76
33	A pertussis/cholera toxin-sensitive N protein may mediate chemoattractant receptor signal transduction. <i>Biochemical and Biophysical Research Communications</i> , 1986, 138, 887-894.	1.0	75
34	Multiple Signaling Pathways of Human Interleukin-8 Receptor A. <i>Journal of Biological Chemistry</i> , 1998, 273, 10690-10695.	1.6	71
35	Molecular cloning of a new human G protein Evidence for two G <sub>i</sub> -like protein families. <i>FEBS Letters</i> , 1987, 219, 259-263.	1.3	69
36	Augmentation of human monocyte chemotactic response by levamisole. <i>Nature</i> , 1976, 261, 136-137.	13.7	68

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37	Deficiency of the fifth component of complement in human subjects. <i>American Journal of Medicine</i> , 1979, 67, 638-645.	0.6	67
38	Regulation of the Human Chemokine Receptor CCR1. <i>Journal of Biological Chemistry</i> , 2000, 275, 9201-9208.	1.6	67
39	Reaction of a Cobra Venom Factor with Guinea Pig Complement and Generation of an Activity Chemotactic for Polymorphonuclear Leukocytes. <i>Experimental Biology and Medicine</i> , 1969, 131, 203-207.	1.1	63
40	Transmethylation reactions regulate affinity and functional activity of chemotactic factor receptors on macrophages. <i>Cell</i> , 1982, 28, 107-114.	13.5	61
41	Chronic mucocutaneous candidiasis. <i>American Journal of Medicine</i> , 1979, 67, 948-959.	0.6	60
42	Human retrovirus-related synthetic peptides inhibit T lymphocyte proliferation. <i>Immunology Letters</i> , 1988, 19, 7-13.	1.1	58
43	Production of Chemotactic Factor and Lymphotoxin by Human Leukocytes Stimulated with Herpes Simplex Virus. <i>Infection and Immunity</i> , 1974, 10, 111-115.	1.0	57
44	Differential Regulation of Formyl Peptide and Platelet-activating Factor Receptors. <i>Journal of Biological Chemistry</i> , 1998, 273, 11012-11016.	1.6	55
45	Interleukin-8-mediated Heterologous Receptor Internalization Provides Resistance to HIV-1 Infectivity. <i>Journal of Biological Chemistry</i> , 2003, 278, 15867-15873.	1.6	52
46	Signal transduction in cells following binding of chemoattractants to membrane receptors. <i>Virchows Archiv B, Cell Pathology Including Molecular Pathology</i> , 1988, 55, 65-80.	0.2	52
47	Isoprenylation of the low molecular mass GTP-binding proteins rac 1 and rac 2: Possible role in membrane localization. <i>Biochemical and Biophysical Research Communications</i> , 1990, 171, 804-812.	1.0	50
48	Generalized <i>Microsporium audouinii</i> infection and depressed cellular immunity associated with a missing plasma factor required for lymphocyte blastogenesis. <i>American Journal of Medicine</i> , 1977, 63, 991-1000.	0.6	48
49	Chemoattractant Receptor-induced Phosphorylation of L-selectin. <i>Journal of Biological Chemistry</i> , 1997, 272, 13961-13965.	1.6	48
50	Prospective health care: the second transformation of medicine. <i>Genome Biology</i> , 2006, 7, 104.	13.9	48
51	Role for Endotoxin and Complement in Periodontal Tissue Destruction. <i>Journal of Dental Research</i> , 1972, 51, 356-361.	2.5	47
52	Rac1, a low-molecular-mass GTP-binding-protein with high intrinsic GTPase activity and distinct biochemical properties. <i>FEBS Journal</i> , 1992, 206, 537-546.	0.2	47
53	Personalized medicine is more than genomic medicine: confusion over terminology impedes progress towards personalized healthcare. <i>Personalized Medicine</i> , 2012, 9, 85-91.	0.8	45
54	ABNORMALITIES OF LEUKOCYTE CHEMOTAXIS IN HUMAN DISEASE. <i>Annals of the New York Academy of Sciences</i> , 1975, 256, 386-401.	1.8	44

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55	Function and Regulation of Chemoattractant Receptors. <i>Immunologic Research</i> , 2000, 22, 271-280.	1.3	44
56	Chemotaxis of Macrophages. , 1976, , 323-348.		43
57	Role of transmethylation reactions in cellular motility and phagocytosis. <i>Molecular Immunology</i> , 1980, 17, 209-218.	1.0	42
58	Identification of a Region at the N-Terminus of Phospholipase C- $\beta$ 3 That Interacts with G Protein $\beta\gamma$ Subunits. <i>Biochemistry</i> , 2000, 39, 1800-1806.	1.2	42
59	Cellular serine proteinase induces chemotaxis by complement activation. <i>Nature</i> , 1977, 269, 521-522.	13.7	41
60	Cross-desensitization Among Receptors for Platelet Activating Factor and Peptide Chemoattractants. <i>Journal of Biological Chemistry</i> , 1996, 271, 28717-28724.	1.6	41
61	Personalized Health Planning. <i>Science</i> , 2003, 300, 549-549.	6.0	41
62	Prostaglandins and inflammation: Enhancement of monocyte chemotactic responsiveness by prostaglandin E2. <i>Prostaglandins</i> , 1976, 12, 415-426.	1.2	39
63	Effects of CKS-17, a synthetic retroviral envelope peptide, on cell-mediated immunity in vivo: Immunosuppression, immunogenicity, and relation to immunosuppressive tumor products. <i>Cancer Immunology, Immunotherapy</i> , 1989, 30, 113-118.	2.0	39
64	Prospective care: a personalized, preventative approach to medicine. <i>Pharmacogenomics</i> , 2006, 7, 5-9.	0.6	39
65	Perspective: Prospective Health Care and the Role of Academic Medicine: Lead, Follow, or Get Out of the Way. <i>Academic Medicine</i> , 2008, 83, 707-714.	0.8	37
66	Characterization of human chemotactic lymphokine production induced by mitogens and mixed leukocyte reactions using a new microassay. <i>Cellular Immunology</i> , 1977, 30, 225-235.	1.4	35
67	The Clinical Researcher—An "Emerging" Species. <i>JAMA - Journal of the American Medical Association</i> , 2004, 291, 882.	3.8	33
68	Depression of Murine Macrophage Accumulation by Low-Molecular-Weight Factors Derived From Spontaneous Mammary Carcinomas. <i>Journal of the National Cancer Institute</i> , 1980, 65, 829-834.	3.0	32
69	Thrombin Primes Responsiveness of Selective Chemoattractant Receptors at a Site Distal to G Protein Activation. <i>Journal of Biological Chemistry</i> , 1996, 271, 3200-3206.	1.6	32
70	Influenza-induced depression of monocyte chemotaxis: Reversal by levamisole. <i>Cellular Immunology</i> , 1977, 32, 234-238.	1.4	31
71	A Synthetic Peptide Homologous to Retroviral Transmembrane Envelope Proteins Depresses Protein Kinase C Mediated Lymphocyte Proliferation and Directly Inactivated Protein Kinase C: A Potential Mechanism for Immunosuppression. <i>Microbiology and Immunology</i> , 1991, 35, 443-459.	0.7	31
72	Prospective medicine: the role for genomics in personalized health planning. <i>Pharmacogenomics</i> , 2004, 5, 1-8.	0.6	31

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73	Improving Health by Taking It Personally. JAMA - Journal of the American Medical Association, 2010, 303, 363.	3.8	31
74	Leukocyte Activation by Chemoattractant Receptors: Roles of a Guanine Nucleotide Regulatory Protein and Polyphosphoinositide Metabolism. Clinical Infectious Diseases, 1987, 9, S562-S569.	2.9	25
75	Histamine-Releasing Factor Generated by the Interaction of Endotoxin with Hamster Serum. Infection and Immunity, 1970, 2, 462-467.	1.0	25
76	Role of guanine nucleotide regulatory protein in polyphosphoinositide degradation and activation of phagocytic leukocytes by chemoattractants. Journal of Cellular Biochemistry, 1986, 32, 59-69.	1.2	24
77	Personalized Health Care as a Pathway for the Adoption of Genomic Medicine. Journal of Personalized Medicine, 2012, 2, 232-240.	1.1	23
78	Commentary: Personalized Health Planning and the Patient Protection and Affordable Care Act: An Opportunity for Academic Medicine to Lead Health Care Reform. Academic Medicine, 2010, 85, 1665-1668.	0.8	22
79	Regulation of inositol phospholipid and inositol phosphate metabolism in chemoattractant-activated human polymorphonuclear leukocytes. Journal of Cellular Biochemistry, 1987, 35, 345-359.	1.2	21
80	Functional high efficiency expression of cloned leukocyte chemoattractant receptor cDNAs. FEBS Letters, 1992, 297, 275-279.	1.3	21
81	Value of Personalized Medicine. JAMA - Journal of the American Medical Association, 2016, 315, 613.	3.8	21
82	Effects of tumor growth on host defenses. Cancer and Metastasis Reviews, 1986, 5, 15-27.	2.7	20
83	Proposal for a new health record to support personalized, predictive, preventative and participatory medicine. Personalized Medicine, 2008, 5, 47-54.	0.8	20
84	Pharmacologic manipulation of leukocyte chemotaxis. American Journal of Medicine, 1983, 75, 10-18.	0.6	19
85	Identification of a novel inositol bisphosphate isomer formed in chemoattractant stimulated human polymorphonuclear leukocytes. Biochemical and Biophysical Research Communications, 1987, 144, 264-270.	1.0	19
86	Transductional Mechanisms of Chemoattractant Receptors on Leukocytes. , 1984, 14, 1-28.		19
87	DEFECTIVE MACROPHAGE MIGRATION PRODUCED BY NEOPLASMS: IDENTIFICATION OF AN INHIBITOR OF MACROPHAGE CHEMOTAXIS <sup>11</sup> Supported in part by National Cancer Institute Contract No. NO1 CP 33313 and National Institute of Dental Research Grant 5 RO1 DE 03738-03.. , 1976, , 49-65.		19
88	Differential regulation of cAMP by endogenous versus transfected fornylpeptide chemoattractant receptors: Implications for Gi-coupled receptor signaling. Biochemical and Biophysical Research Communications, 1992, 183, 1033-1039.	1.0	18
89	Integration of Personalized Health Planning and Shared Medical Appointments for Patients with Type 2 Diabetes Mellitus. Southern Medical Journal, 2018, 111, 674-682.	0.3	16
90	Mechanisms of Inflammation and Leukocyte Chemotaxis in the Rheumatic Diseases. Medical Clinics of North America, 1986, 70, 217-235.	1.1	15

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91	Further Characterization of a Factor From Endotoxin-Treated Serum which Releases Histamine and Heparin from Mast Cells. <i>Infection and Immunity</i> , 1972, 5, 909-914.	1.0	15
92	Effect of C4 Depletion on the Utilization of the Terminal Components of Guinea-pig Complement by Endotoxin. <i>Nature: New Biology</i> , 1971, 231, 152-154.	4.5	14
93	Immunological Mechanisms of Periodontal Tissue Destruction. <i>Journal of the American Dental Association</i> , 1973, 87, 1020-1026.	0.7	14
94	Disorders of Leukocyte Chemotaxis. <i>Pediatric Clinics of North America</i> , 1977, 24, 377-393.	0.9	14
95	Effect of Membrane Fluidizers on the Number and Affinity of Chemotactic Factor Receptors on Human Polymorphonuclear Leukocytes. <i>Microbiology and Immunology</i> , 1983, 27, 961-972.	0.7	13
96	Advancing human health in the decade ahead: pregnancy as a key window for discovery. <i>American Journal of Obstetrics and Gynecology</i> , 2020, 223, 312-321.	0.7	13
97	Regulatory Mechanisms of a Chemoattractant Receptor on Human Polymorphonuclear Leukocytes. <i>Clinical Infectious Diseases</i> , 1985, 7, 390-394.	2.9	12
98	Compassion and Health Care. <i>Academic Medicine</i> , 2019, 94, 1068-1070.	0.8	12
99	AAP Presidential Address The AAP and the transformation of medicine. <i>Journal of Clinical Investigation</i> , 2004, 114, 1169-1173.	3.9	12
100	Factors from Saliva and Oral Bacteria, Chemotactic for polymorphonuclear Leukocytes: Their Possible Role in Gingival Inflammation. <i>Journal of Periodontology</i> , 1970, 41, 71-80.	1.7	12
101	A soluble inhibitor of T lymphocyte function induced by HIV-1 infection of CD4+ T cells: Characterization of a cellular protein and its relationship to p15E. <i>Cellular Immunology</i> , 1990, 128, 337-352.	1.4	11
102	Guanine nucleotide regulatory proteins in receptor-mediated polyphosphoinositide hydrolysis in human leukocytes. <i>Methods in Enzymology</i> , 1987, 141, 261-271.	0.4	9
103	Phospholipase C- $\beta$ 2 interacts with mitogen-activated protein kinase kinase 3. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 647-652.	1.0	8
104	Personalized medicine 2014: has healthcare been transformed?. <i>Personalized Medicine</i> , 2014, 11, 365-368.	0.8	8
105	AAP Presidential Address The AAP and the transformation of medicine. <i>Journal of Clinical Investigation</i> , 2004, 114, 1169-1173.	3.9	8
106	Chemoattractant Receptor Affinity Reflects Its Ability to Transduce Different Biological Responses. , 1983, 12, 323-336.		7
107	The Role of Macrophages in the Rheumatic Diseases. <i>Clinics in Rheumatic Diseases</i> , 1978, 4, 499-515.	1.2	7
108	Personalized Health Planning in Primary Care Settings. <i>Federal Practitioner: for the Health Care Professionals of the VA, DoD, and PHS</i> , 2016, 33, 27-34.	0.6	6

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109	Chemotaxis of Inflammatory Cells. <i>Journal of Dental Research</i> , 1971, 50, 304-308.	2.5	5
110	The Role of Genomics in Enabling Prospective Health Care. , 2009, , 378-385.		5
111	Health Care Reform in the United States. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 1923.	3.8	4
112	Inhibitors of Monocyte Responses to Chemotaxins are Associated with Human Neoplasms. <i>Advances in Experimental Medicine and Biology</i> , 1982, 155, 343-352.	0.8	4
113	Creating meaningful health care reform. <i>Journal of Clinical Investigation</i> , 2009, 119, 2855-2855.	3.9	4
114	Precision medicine: beyond genomics to targeted therapies. <i>Personalized Medicine</i> , 2016, 13, 97-100.	0.8	3
115	Personalized health care in 2013: a status report on the impact of genomics. <i>North Carolina Medical Journal</i> , 2013, 74, 478-84.	0.1	3
116	QUANTITATION OF THE INFLAMMATORY ACCUMULATION OF MONONUCLEAR PHAGOCYTES IN VIVO. , 1981, , 959-968.		2
117	Chemoattractant Receptors and Signal Transduction Processes. , 1988, , 355-379.		2
118	Personalized Medical Group Visits: A Novel Approach for the Care of Prediabetes. <i>Diabetes Spectrum</i> , 2022, 35, 504-511.	0.4	2
119	The Role of Genomics in Enabling Prospective Health Care. , 2010, , 201-208.		1
120	Neoplasia and Mononuclear Phagocyte Function. , 1983, , 193-216.		1
121	Quantification of Lymphokine Production in Human Disease. , 1979, , 181-208.		1
122	Regulation of Leukocyte Responses to Chemoattractants: Role of Receptors, Guanine Nucleotide Regulatory (N) Proteins and Phospholipase C. , 1987, , 277-289.		1
123	PHARMACOLOGICAL MANIPULATION OF THE CHEMOTACTIC FACTOR RECEPTOR ON LEUKOCYTES. , 1983, , 211-219.		1
124	An evaluation of mHealth adoption and health self-management in emerging adulthood. <i>AMIA ... Annual Symposium proceedings</i> , 2019, 2019, 1021-1030.	0.2	1
125	Regulation of Mononuclear Leukocyte Function by Transmethylation Reactionsa. <i>Annals of the New York Academy of Sciences</i> , 1985, 451, 256-263.	1.8	0
126	Role of a Guanine Nucleotide Regulatory Protein in the Polyphosphoinositide Pathway of Leukocyte Activation by Chemoattractant Receptors1. , 1987, , 128-139.		0



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127	Component Deficiencies 5. The Fifth Component. <i>Chemical Immunology and Allergy</i> , 1986, 39, 271-282.	1.7	0
128	Review of the national arthritis advisory board symposium, "molecular biology: its potential for advancing rheumatology research". <i>Arthritis and Rheumatism</i> , 1987, 30, 1191-1194.	6.7	0
129	[24] Chemoattractant-induced membrane phenomena of phagocytes. <i>Methods in Enzymology</i> , 1988, 162, 271-279.	0.4	0
130	More About Prospective Health Care. <i>Academic Medicine</i> , 2009, 84, 541.	0.8	0
131	In Reply to Goetz. <i>Academic Medicine</i> , 2020, 95, 972-973.	0.8	0
132	Clinical Research. <i>Science</i> , 2000, 287, 1927-1927.	6.0	0
133	Biologic Aspects of Leukocyte Chemotaxis. , 1977, , 159-181.		0
134	Biochemical and Biological Aspects of Leukocyte Chemotactic Factors. , 1980, , 1-19.		0
135	Mechanisms of Nonspecific Host Resistance. , 1981, , 101-114.		0
136	SPECIFIC RECEPTORS AND TRANSMETHYLATION REACTIONS ARE REQUIRED FOR LEUKOCYTE CHEMOTAXIS. , 1982, , 67-86.		0
137	The Role of the Neutrophil in the Inflammatory Response. , 1985, , 619-649.		0