Sebastian Joyce

List of Publications by Year in descending order

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126 papers	9,621 citations	46918 47 h-index	96 g-index
130	130	130	9884
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	A nanovaccine for enhancing cellular immunity via cytosolic co-delivery of antigen and polyIC RNA. Journal of Controlled Release, 2022, 345, 354-370.	4.8	14
2	Nano-Particulate Platforms for Vaccine Delivery to Enhance Antigen-Specific CD8+ T-Cell Response. Methods in Molecular Biology, 2022, 2412, 367-398.	0.4	O
3	Know thy immune self and nonâ€self: Proteomics informs on the expanse of self and nonâ€self, and how and where they arise. Proteomics, 2021, , 2000143.	1.3	6
4	Novel HLA-B7-restricted human metapneumovirus epitopes enhance viral clearance in mice and are recognized by human CD8+ T cells. Scientific Reports, 2021, 11, 20769.	1.6	2
5	Natural Killer T Lymphocytes Integrate Innate Sensory Information and Relay Context to Effector Immune Responses. Critical Reviews in Immunology, 2021, 41, 55-88.	1.0	6
6	Co-delivery of Peptide Neoantigens and Stimulator of Interferon Genes Agonists Enhances Response to Cancer Vaccines. ACS Nano, 2020, 14, 9904-9916.	7.3	97
7	Survivre et vivre: When iNKT cells met a Hippo. Journal of Experimental Medicine, 2020, 217, .	4.2	2
8	Heterotypic immunity against vaccinia virus in an HLA-B*07:02 transgenic mousepox infection model. Scientific Reports, 2020, 10, 13167.	1.6	9
9	Nur77 controls tolerance induction, terminal differentiation, and effector functions in semi-invariant natural killer T cells. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17156-17165.	3.3	17
10	NKT Cells Join the Two Step for Inflammasome-Independent IL- $1\hat{l}^2$ Release. Cell Reports, 2020, 31, 107481.	2.9	1
11	Mucosal Immunization with a pH-Responsive Nanoparticle Vaccine Induces Protective CD8 ⁺ Lung-Resident Memory T Cells. ACS Nano, 2019, 13, 10939-10960.	7.3	89
12	What one lipid giveth, another taketh away. Nature Immunology, 2019, 20, 1559-1561.	7.0	1
13	AS03-Adjuvanted H5N1 Avian Influenza Vaccine Modulates Early Innate Immune Signatures in Human Peripheral Blood Mononuclear Cells. Journal of Infectious Diseases, 2019, 219, 1786-1798.	1.9	16
14	Identifying and Tracking Low-Frequency Virus-Specific TCR Clonotypes Using High-Throughput Sequencing. Cell Reports, 2018, 25, 2369-2378.e4.	2.9	37
15	Poly(propylacrylic acid)-peptide nanoplexes as a platform for enhancing the immunogenicity of neoantigen cancer vaccines. Biomaterials, 2018, 182, 82-91.	5 . 7	77
16	CD4+ Regulatory T Cells Exert Differential Functions during Early and Late Stages of the Immune Response to Respiratory Viruses. Journal of Immunology, 2018, 201, 1253-1266.	0.4	25
17	Loss of CXCR4 in Myeloid Cells Enhances Antitumor Immunity and Reduces Melanoma Growth through NK Cell and FASL Mechanisms. Cancer Immunology Research, 2018, 6, 1186-1198.	1.6	45
18	Proteomics show antigen presentation processes in human immune cells after ASO3â€H5N1 vaccination. Proteomics, 2017, 17, 1600453.	1.3	6

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19	Front Cover: Proteomics show antigen presentation processes in human immune cells after ASO3â€H5N1 vaccination. Proteomics, 2017, 17, 1770101.	1.3	O
20	Characterization and Functional Analysis of Mouse Semiâ€invariant Natural T Cells. Current Protocols in Immunology, 2017, 117, 14.13.1-14.13.55.	3.6	8
21	NF-κB Protects NKT Cells from Tumor Necrosis Factor Receptor 1-induced Death. Scientific Reports, 2017, 7, 15594.	1.6	8
22	Fatty Acid-Mimetic Micelles for Dual Delivery of Antigens and Imidazoquinoline Adjuvants. ACS Biomaterials Science and Engineering, 2017, 3, 179-194.	2.6	25
23	Eliciting Epitope-Specific CD8+ T Cell Response by Immunization with Microbial Protein Antigens Formulated with $\hat{l}\pm$ -Galactosylceramide: Theory, Practice, and Protocols. Methods in Molecular Biology, 2017, 1494, 321-352.	0.4	8
24	Natural Killer T Cells: An Ecological Evolutionary Developmental Biology Perspective. Frontiers in Immunology, 2017, 8, 1858.	2.2	56
25	Cell-Based Systems Biology Analysis of Human AS03-Adjuvanted H5N1 Avian Influenza Vaccine Responses: A Phase I Randomized Controlled Trial. PLoS ONE, 2017, 12, e0167488.	1.1	48
26	Improved proliferation of antigen-specific cytolytic T lymphocytes using a multimodal nanovaccine. International Journal of Nanomedicine, 2016, Volume 11, 6103-6121.	3.3	10
27	Novel HLA-A2-restricted human metapneumovirus epitopes reduce viral titers in mice and are recognized by human T cells. Vaccine, 2016, 34, 2663-2670.	1.7	7
28	A Distinct Lung-Interstitium-Resident Memory CD8 + T Cell Subset Confers Enhanced Protection to Lower Respiratory Tract Infection. Cell Reports, 2016, 16, 1800-1809.	2.9	62
29	Mechanisms and Consequences of Antigen Presentation by CD1. Trends in Immunology, 2016, 37, 738-754.	2.9	28
30	Cross-Neutralizing and Protective Human Antibody Specificities to Poxvirus Infections. Cell, 2016, 167, 684-694.e9.	13.5	141
31	Immunoproteasomes edit tumors, which then escapes immune recognition. European Journal of Immunology, 2015, 45, 3241-3245.	1.6	10
32	Viral infection causes a shift in the self peptide repertoire presented by human MHC class I molecules. Proteomics - Clinical Applications, 2015, 9, 1035-1052.	0.8	16
33	Border Patrol Gone Awry: Lung NKT Cell Activation by Francisella tularensis Exacerbates Tularemia-Like Disease. PLoS Pathogens, 2015, 11, e1004975.	2.1	18
34	Discovering protective CD8 T cell epitopesâ€"no single immunologic property predicts it!. Current Opinion in Immunology, 2015, 34, 43-51.	2.4	18
35	Lung CD8 ⁺ T Cell Impairment Occurs during Human Metapneumovirus Infection despite Virus-Like Particle Induction of Functional CD8 ⁺ T Cells. Journal of Virology, 2015, 89, 8713-8726.	1.5	26
36	Role of Type I Interferon Signaling in Human Metapneumovirus Pathogenesis and Control of Viral Replication. Journal of Virology, 2015, 89, 4405-4420.	1.5	28

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37	Acute Viral Respiratory Infection Rapidly Induces a CD8+ T Cell Exhaustion–like Phenotype. Journal of Immunology, 2015, 195, 4319-4330.	0.4	26
38	Histone Deacetylase 3 Is Required for Efficient T Cell Development. Molecular and Cellular Biology, 2015, 35, 3854-3865.	1.1	44
39	A Cell-Based Systems Biology Assessment of Human Blood to Monitor Immune Responses after Influenza Vaccination. PLoS ONE, 2015, 10, e0118528.	1.1	79
40	Acute Clearance of Human Metapneumovirus Occurs Independently of Natural Killer Cells. Journal of Virology, 2014, 88, 10963-10969.	1.5	9
41	Myeloid IKKÎ ² Promotes Antitumor Immunity by Modulating CCL11 and the Innate Immune Response. Cancer Research, 2014, 74, 7274-7284.	0.4	35
42	Sculpting MHC class II–restricted self and nonâ€self peptidome by the class I Agâ€processing machinery and its impact on Thâ€cell responses. European Journal of Immunology, 2013, 43, 1162-1172.	1.6	8
43	Discovering naturally processed antigenic determinants that confer protective T cell immunity. Journal of Clinical Investigation, 2013, 123, 1976-1987.	3.9	58
44	Viral acute lower respiratory infections impair CD8+ T cells through PD-1. Journal of Clinical Investigation, 2012, 122, 2967-2982.	3.9	156
45	NKT Cell Ligand Recognition Logic: Molecular Basis for a Synaptic Duet and Transmission of Inflammatory Effectors. Journal of Immunology, 2011, 187, 1081-1089.	0.4	40
46	TRIM5 does double duty. Nature, 2011, 472, 305-306.	13.7	7
47	IL-15 Regulates Homeostasis and Terminal Maturation of NKT Cells. Journal of Immunology, 2011, 187, 6335-6345.	0.4	139
48	Proteasomes, TAP, and Endoplasmic Reticulum-Associated Aminopeptidase Associated with Antigen Processing Control CD4+Th Cell Responses by Regulating Indirect Presentation of MHC Class II-Restricted Cytoplasmic Antigens. Journal of Immunology, 2011, 186, 6683-6692.	0.4	10
49	Rgs2 Mediates Pro-Angiogenic Function of Myeloid Derived Suppressor Cells in the Tumor Microenvironment via Upregulation of MCP-1. PLoS ONE, 2011, 6, e18534.	1.1	55
50	Minor histocompatibility antigens: presentation principles, recognition logic and the potential for a healing hand. Current Opinion in Organ Transplantation, 2010, 15, 512-525.	0.8	17
51	Mammalian Target of Rapamycin Protein Complex 2 Regulates Differentiation of Th1 and Th2 Cell Subsets via Distinct Signaling Pathways. Immunity, 2010, 32, 743-753.	6.6	413
52	Follicular B Cell Trafficking within the Spleen Actively Restricts Humoral Immune Responses. Immunity, 2010, 33, 254-265.	6.6	54
53	The Hunt for iNKT Cell Antigens: α-Galactosidase-Deficient Mice to the Rescue?. Immunity, 2010, 33, 143-145.	6.6	4

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55	Neurons Preferentially Respond to Self-MHC Class I Allele Products Regardless of Peptide Presented. Journal of Immunology, 2010, 184, 816-823.	0.4	23
56	Adaptability of the semi-invariant natural killer T-cell receptor towards structurally diverse CD1d-restricted ligands. EMBO Journal, 2009, 28, 3579-3590.	3.5	45
57	Lung NKT cell commotion takes your breath away. Nature Medicine, 2008, 14, 609-610.	15.2	2
58	Invariant Natural Killer T Cells Trigger Adaptive Lymphocytes to Churn Up Bile. Cell Host and Microbe, 2008, 3, 275-277.	5.1	10
59	IL-27R deficiency delays the onset of colitis and protects from helminth-induced pathology in a model of chronic IBD. International Immunology, 2008, 20, 739-752.	1.8	47
60	Cutting Edge: K63-Linked Polyubiquitination of NEMO Modulates TLR Signaling and Inflammation In Vivo. Journal of Immunology, 2008, 180, 7107-7111.	0.4	43
61	CD1d-restricted glycolipid antigens: presentation principles, recognition logic and functional consequences. Expert Reviews in Molecular Medicine, 2008, 10, e20.	1.6	19
62	A Staphylococcus aureus Regulatory System that Responds to Host Heme and Modulates Virulence. Cell Host and Microbe, 2007, 1, 109-119.	5.1	212
63	Aging is associated with a rapid decline in frequency, alterations in subset composition, and enhanced Th2 response in CD1d-restricted NKT cells from human peripheral blood. Experimental Gerontology, 2007, 42, 719-732.	1.2	87
64	Lipid metabolism, atherogenesis and CD1-restricted antigen presentation. Trends in Molecular Medicine, 2006, 12, 270-278.	3.5	36
65	Granulocyte-Macrophage Colony-Stimulating Factor Regulates Effector Differentiation of Invariant Natural Killer T Cells during Thymic Ontogeny. Immunity, 2006, 25, 487-497.	6.6	56
66	Viral evasion of antigen presentation: not just for peptides anymore. Nature Immunology, 2006, 7, 795-797.	7.0	18
67	The Role of Invariant Natural Killer T Cells in Lupus and Atherogenesis. Immunologic Research, 2006, 34, 49-66.	1.3	23
68	In vivo role of ER-associated peptidase activity in tailoring peptides for presentation by MHC class la and class lb molecules. Journal of Experimental Medicine, 2006, 203, 647-659.	4.2	150
69	Characterization and Functional Analysis of Mouse Invariant Natural T (iNKT) Cells. Current Protocols in Immunology, 2006, 73, Unit 14.13.	3.6	8
70	In vivo role of ER-associated peptidase activity in tailoring peptides for presentation by MHC class la and class lb molecules. Journal of Cell Biology, 2006, 172, i14-i14.	2.3	0
71	Innate Immunity: NKT Cells in the Spotlight. Current Biology, 2005, 15, R429-R431.	1.8	73
72	The natural killer T?cell ligand ?-galactosylceramide prevents or promotes pristane-induced lupus in mice. European Journal of Immunology, 2005, 35, 1143-1154.	1.6	81

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73	Commitment toward the natural T (iNKT) cell lineage occurs at the CD4+8+ stage of thymic ontogeny. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5114-5119.	3.3	106
74	Distinct Roles of Dendritic Cells and B Cells in Va14Ja18 Natural T Cell Activation In Vivo. Journal of Immunology, 2005, 174, 4696-4705.	0.4	136
75	Glycolipid antigen induces long-term natural killer T cell anergy in mice. Journal of Clinical Investigation, 2005, 115, 2572-2583.	3.9	386
76	Duration of Alloantigen Presentation and Avidity of T Cell Antigen Recognition Correlate with Immunodominance of CTL Response to Minor Histocompatibility Antigens. Journal of Immunology, 2004, 172, 6666-6674.	0.4	21
77	NF-κB Controls Cell Fate Specification, Survival, and Molecular Differentiation of Immunoregulatory Natural T Lymphocytes. Journal of Immunology, 2004, 172, 2265-2273.	0.4	98
78	Quantitative and Qualitative Differences in the In Vivo Response of NKT Cells to Distinct \hat{l}_{\pm} - and \hat{l}^2 -Anomeric Glycolipids. Journal of Immunology, 2004, 173, 3693-3706.	0.4	136
79	Lipid-protein interactions: Biosynthetic assembly of CD1 with lipids in the endoplasmic reticulum is evolutionarily conserved. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 1022-1026.	3.3	73
80	Quantitative and Qualitative Differences in Proatherogenic NKT Cells in Apolipoprotein E–Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 2351-2357.	1.1	114
81	Cutting Edge: The Ontogeny and Function of Va14Ja18 Natural T Lymphocytes Require Signal Processing by Protein Kinase Cl̂, and NF-l̂ºB. Journal of Immunology, 2004, 172, 4667-4671.	0.4	73
82	Immunoregulatory defects of Valpha24+Vbeta11+ NKT cells in development of Wegener's granulomatosis and relapsing polychondritis. Clinical and Experimental Immunology, 2004, 136, 591-600.	1.1	27
83	Increase in Hepatic NKT Cells in Leukocyte Cell-Derived Chemotaxin 2-Deficient Mice Contributes to Severe Concanavalin A-Induced Hepatitis. Journal of Immunology, 2004, 173, 579-585.	0.4	75
84	Natural killer T cells accelerate atherogenesis in mice. Blood, 2004, 104, 2051-2059.	0.6	179
85	Another cause for incompatibility: gestational priming of women by tissue antigens of men. Blood, 2004, 103, 1570-1571.	0.6	0
86	CD1-restricted antigen presentation: an oily matter. Current Opinion in Immunology, 2003, 15, 95-104.	2.4	37
87	Innate self recognition by an invariant, rearranged T-cell receptor and its immune consequences. Immunology, 2003, 109, 171-184.	2.0	15
88	Antiapoptotic function of NF- \hat{l}^0 B in T lymphocytes is influenced by their differentiation status: roles of Fas, c-FLIP, and Bcl-xL. Cell Death and Differentiation, 2003, 10, 1032-1044.	5.0	45
89	The response of natural killer T cells to glycolipid antigens is characterized by surface receptor down-modulation and expansion. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10913-10918.	3.3	306
90	Immunoregulatory Role of CD1d in the Hydrocarbon Oil-Induced Model of Lupus Nephritis. Journal of Immunology, 2003, 171, 2142-2153.	0.4	93

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91	A Murine Locus on Chromosome 18 Controls NKT Cell Homeostasis and Th Cell Differentiation. Journal of Immunology, 2003, 171, 4613-4620.	0.4	25
92	Genetic Dissection of $\hat{\text{Vl}}\pm14\hat{\text{Jl}}\pm18$ Natural T Cell Number and Function in Autoimmune-Prone Mice. Journal of Immunology, 2003, 170, 5429-5437.	0.4	40
93	Identification and Simian Immunodeficiency Virus Infection of CD1d-Restricted Macaque Natural Killer T Cells. Journal of Virology, 2003, 77, 8153-8158.	1.5	47
94	The H4b Minor Histocompatibility Antigen Is Caused by a Combination of Genetically Determined and Posttranslational Modifications. Journal of Immunology, 2003, 170, 5133-5142.	0.4	19
95	Defective presentation of the CD1d1-restricted natural Va14Ja18 NKT lymphocyte antigen caused by Â-D-glucosylceramide synthase deficiency. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1849-1854.	3.3	142
96	Another View of T Cell Antigen Recognition: Cooperative Engagement of Glycolipid Antigens by Va14Ja18 Natural TCR. Journal of Immunology, 2003, 171, 4539-4551.	0.4	85
97	CD1d-expressing Dendritic Cells but Not Thymic Epithelial Cells Can Mediate Negative Selection of NKT Cells. Journal of Experimental Medicine, 2003, 197, 907-918.	4.2	122
98	CHRONIC REJECTION OF MURINE CARDIAC ALLOGRAFTS DISCORDANT AT THE H13 MINOR HISTOCOMPATIBILITY ANTIGEN CORRELATES WITH THE GENERATION OF THE H13-SPECIFIC CD8+ CYTOTOXIC T CELLS1. Transplantation, 2003, 76, 84-91.	0.5	24
99	Cancer-associated immunodeficiency and dendritic cell abnormalities mediated by the prostaglandin EP2 receptor. Journal of Clinical Investigation, 2003, 111, 727-735.	3.9	204
100	Cutting Edge: The Minor Histocompatibility Antigen H60 Peptide Interacts with Both H-2Kb and NKG2D. Journal of Immunology, 2002, 168, 3131-3134.	0.4	28
101	CD1d-restricted Human Natural Killer T Cells Are Highly Susceptible to Human Immunodeficiency Virus 1 Infection. Journal of Experimental Medicine, 2002, 195, 869-879.	4.2	203
102	The assembly of functional beta2-microglobulin-free MHC class I molecules that interact with peptides and CD8+ T lymphocytes. International Immunology, 2002, 14, 775-782.	1.8	13
103	Lipid Protein Interactions: The Assembly of CD1d1 with Cellular Phospholipids Occurs in the Endoplasmic Reticulum. Journal of Immunology, 2002, 168, 723-733.	0.4	108
104	Real-time T-cell profiling identifies H60 as a major minor histocompatibility antigen in murine graft-versus-host disease. Blood, 2002, 100, 4259-4264.	0.6	74
105	Immunodominance of H60 Is Caused by an Abnormally High Precursor T Cell Pool Directed against Its Unique Minor Histocompatibility Antigen Peptide. Immunity, 2002, 17, 593-603.	6.6	83
106	Dx: leukemia; Rx: CD8+ NKT cell transplantation. Blood, 2001, 97, 2921-2922.	0.6	O
107	Immune Recognition, Response, and Regulation: How T Lymphocytes Do It. Immunologic Research, 2001, 23, 215-228.	1.3	13
108	Quantitative Analysis of the Immune Response to Mouse Non-MHC Transplantation Antigens In Vivo: The H60 Histocompatibility Antigen Dominates Over All Others. Journal of Immunology, 2001, 166, 4370-4379.	0.4	78

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109	Natural Killer T Cell Activation Protects Mice Against Experimental Autoimmune Encephalomyelitis. Journal of Experimental Medicine, 2001, 194, 1801-1811.	4.2	375
110	Autoreactive Diabetogenic T-Cells in NOD Mice Can Efficiently Expand From a Greatly Reduced Precursor Pool. Diabetes, 2001, 50, 1992-2000.	0.3	39
111	Reversible Defects in Natural Killer and Memory Cd8 T Cell Lineages in Interleukin 15–Deficient Mice. Journal of Experimental Medicine, 2000, 191, 771-780.	4.2	1,458
112	Natural T cells: Cranking up the immune system by prompt cytokine secretion. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6933-6935.	3.3	12
113	Quantitation of CD8 + T-Lymphocyte Responses to Multiple Epitopes from Simian Virus 40 (SV40) Large T Antigen in C57BL/6 Mice Immunized with SV40, SV40 T-Antigen-Transformed Cells, or Vaccinia Virus Recombinants Expressing Full-Length T Antigen or Epitope Minigenes. Journal of Virology, 2000, 74, 6922-6934.	1.5	86
114	Point mutations in the \hat{l}^2 chain CDR3 can alter the T cell receptor recognition pattern on an MHC class Ipeptide complex over a broad interface area. Molecular Immunology, 1998, 35, 593-607.	1.0	23
115	Natural Ligand of Mouse CD1d1: Cellular Glycosylphosphatidylinositol. Science, 1998, 279, 1541-1544.	6.0	371
116	Distinct Roles for Signals Relayed through the Common Cytokine Receptor Î ³ Chain and Interleukin 7 Receptor α Chain in Natural T Cell Development. Journal of Experimental Medicine, 1997, 186, 331-336.	4.2	48
117	Traffic control of completely assembled MHC class I molecules beyond the endoplasmic reticulum. Journal of Molecular Biology, 1997, 266, 993-1001.	2.0	27
118	CD1d1 Mutant Mice Are Deficient in Natural T Cells That PromptlyProduce IL-4. Immunity, 1997, 6, 469-477.	6.6	575
119	Alloreactivity, Antigen Recognition and T-Cell Selection: Three Diverse T-Cell Recognition Problems with a Common Solution. Immunological Reviews, 1996, 154, 59-103.	2.8	24
120	Expansion of natural (NK1+) T cells that express alpha beta T cell receptors in transporters associated with antigen presentation-1 null and thymus leukemia antigen positive mice Journal of Experimental Medicine, 1996, 184, 1579-1584.	4.2	43
121	Methods to study peptides associated with MHC class I molecules. Current Opinion in Immunology, 1994, 6, 24-31.	2.4	49
122	Characterization of an incompletely assembled major histocompatibility class I molecule (H-2Kb) associated with unusually long peptides: implications for antigen processing and presentation Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4145-4149.	3.3	47
123	Vesicular stomatitis virus antigenic octapeptide N52-59 is anchored into the groove of the H-2Kb molecule by the side chains of three amino acids and the main-chain atoms of the amino terminus Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3135-3139.	3.3	84
124	A POLYMORPHIC HUMAN KIDNEY-SPECIFIC NON-MHC ALLOANTIGEN. Transplantation, 1992, 53, 1119-1127.	0.5	11
125	Mapping the orientation of an antigenic peptide bound in the antigen binding groove of H-2Kb using a monoclonal antibody. Biochemical and Biophysical Research Communications, 1992, 186, 1449-1454.	1.0	12
126	CHARACTERIZATION OF KIDNEY CELL-SPECIFIC, NON-MAJOR HISTOCOMPATIBILITY COMPLEX ALLOANTIGEN USING ANTIBODIES ELUTED FROM REJECTED HUMAN RENAL ALLOGRAFTS. Transplantation, 1988, 46, 362-369.	0.5	39