

# Marie-Paule Lefranc

## List of Publications by Citations

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193  
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246  
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14,945  
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L-index

#	Paper	IF	Citations
193	IMGT/V-QUEST: the highly customized and integrated system for IG and TR standardized V-J and V-D-J sequence analysis. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, W503-8	20.1	815
192	IMGT unique numbering for immunoglobulin and T cell receptor variable domains and Ig superfamily V-like domains. <i>Developmental and Comparative Immunology</i> , <b>2003</b> , 27, 55-77	3.2	592
191	IMGT, the international ImMunoGeneTics information system. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, D1006-12	20.1	547
190	Two tandemly organized human genes encoding the T-cell gamma constant-region sequences show multiple rearrangement in different T-cell types. <i>Nature</i> , <b>1985</b> , 316, 464-6	50.4	347
189	IMGT/GENE-DB: a comprehensive database for human and mouse immunoglobulin and T cell receptor genes. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, D256-61	20.1	343
188	IMGT( ) tools for the nucleotide analysis of immunoglobulin (IG) and T cell receptor (TR) V-(D)-J repertoires, polymorphisms, and IG mutations: IMGT/V-QUEST and IMGT/HighV-QUEST for NGS. <i>Methods in Molecular Biology</i> , <b>2012</b> , 882, 569-604	1.4	317
187	IMGT , the international ImMunoGeneTics information system 25 years on. <i>Nucleic Acids Research</i> , <b>2015</b> , 43, D413-22	20.1	316
186	Stereotyped B-cell receptors in one-third of chronic lymphocytic leukemia: a molecular classification with implications for targeted therapies. <i>Blood</i> , <b>2012</b> , 119, 4467-75	2.2	289
185	IMGT/JunctionAnalysis: the first tool for the analysis of the immunoglobulin and T cell receptor complex V-J and V-D-J JUNCTIONS. <i>Bioinformatics</i> , <b>2004</b> , 20 Suppl 1, i379-85	7.2	249
184	IMGT/V-QUEST, an integrated software program for immunoglobulin and T cell receptor V-J and V-D-J rearrangement analysis. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, W435-40	20.1	239
183	Human Ig superfamily CTLA-4 gene: chromosomal localization and identity of protein sequence between murine and human CTLA-4 cytoplasmic domains. <i>European Journal of Immunology</i> , <b>1988</b> , 18, 1901-5	6.1	239
182	IMGT, the international ImMunoGeneTics information system. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, D593-7	20.1	227
181	IMGT/V-QUEST: IMGT standardized analysis of the immunoglobulin (IG) and T cell receptor (TR) nucleotide sequences. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 695-715	1.2	212
180	IMGT/LIGM-DB, the IMGT comprehensive database of immunoglobulin and T cell receptor nucleotide sequences. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, D781-4	20.1	207
179	Mechanisms of divergence and convergence of the human immunoglobulin alpha 1 and alpha 2 constant region gene sequences. <i>Cell</i> , <b>1984</b> , 36, 681-8	56.2	194
178	Sequence and evolution of the human germline V lambda repertoire. <i>Journal of Molecular Biology</i> , <b>1996</b> , 264, 220-32	6.5	193
177	IMGT unique numbering for immunoglobulin and T cell receptor constant domains and Ig superfamily C-like domains. <i>Developmental and Comparative Immunology</i> , <b>2005</b> , 29, 185-203	3.2	187

176	IMGT, the international ImMunoGeneTics database. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 307-10	20.1	180
175	IMGT/3Dstructure-DB and IMGT/DomainGapAlign: a database and a tool for immunoglobulins or antibodies, T cell receptors, MHC, IgSF and MhcSF. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, D301-7	20.1	170
174	IMGT standardized criteria for statistical analysis of immunoglobulin V-REGION amino acid properties. <i>Journal of Molecular Recognition</i> , <b>2004</b> , 17, 17-32	2.6	169
173	Inherited deletion of immunoglobulin heavy chain constant region genes in normal human individuals. <i>Nature</i> , <b>1982</b> , 300, 760-2	50.4	156
172	IMGT/HighV QUEST paradigm for T cell receptor IMGT clonotype diversity and next generation repertoire immunoprofiling. <i>Nature Communications</i> , <b>2013</b> , 4, 2333	17.4	151
171	Human immunoglobulin allotypes: possible implications for immunogenicity. <i>MAbs</i> , <b>2009</b> , 1, 332-8	6.6	151
170	Teleost fish mount complex clonal IgM and IgT responses in spleen upon systemic viral infection. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003098	7.6	120
169	Immunoglobulin and T Cell Receptor Genes: IMGT( ) and the Birth and Rise of Immunoinformatics. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 22	8.4	119
168	The past, present, and future of immune repertoire biology - the rise of next-generation repertoire analysis. <i>Frontiers in Immunology</i> , <b>2013</b> , 4, 413	8.4	116
167	Organization of the human immunoglobulin lambda light-chain locus on chromosome 22q11.2. <i>Human Molecular Genetics</i> , <b>1995</b> , 4, 983-91	5.6	112
166	IMGT/3Dstructure-DB and IMGT/StructuralQuery, a database and a tool for immunoglobulin, T cell receptor and MHC structural data. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, D208-10	20.1	106
165	Rearrangements to the JP1, JP and JP2 segments in the human T-cell rearranging gamma gene (TRG gamma) locus. <i>FEBS Letters</i> , <b>1987</b> , 224, 291-6	3.8	102
164	Adaptive Immune Receptor Repertoire Community recommendations for sharing immune-repertoire sequencing data. <i>Nature Immunology</i> , <b>2017</b> , 18, 1274-1278	19.1	95
163	IMGT, the International ImMunoGeneTics Information System. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 595-603	1.2	95
162	IMGT gene identification and Colliers de Perles of human immunoglobulins with known 3D structures. <i>Immunogenetics</i> , <b>2002</b> , 53, 857-83	3.2	94
161	High-affinity, human antibody-like antibody fragment (single-chain variable fragment) neutralizing the lethal factor (LF) of <i>Bacillus anthracis</i> by inhibiting protective antigen-LF complex formation. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2007</b> , 51, 2758-64	5.9	90
160	Human Gm, Km, and Am allotypes and their molecular characterization: a remarkable demonstration of polymorphism. <i>Methods in Molecular Biology</i> , <b>2012</b> , 882, 635-80	1.4	87
159	The B7 family of immunoregulatory receptors: a comparative and evolutionary perspective. <i>Molecular Immunology</i> , <b>2009</b> , 46, 457-72	4.3	81

158	Unique database numbering system for immunogenetic analysis. <i>Trends in Immunology</i> , <b>1997</b> , 18, 509		81
157	IMGT unique numbering for MHC groove G-DOMAIN and MHC superfamily (MhcSF) G-LIKE-DOMAIN. <i>Developmental and Comparative Immunology</i> , <b>2005</b> , 29, 917-38	3.2	80
156	IMGT/junctionanalysis: IMGT standardized analysis of the V-J and V-D-J junctions of the rearranged immunoglobulins (IG) and T cell receptors (TR). <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 716-25	1.2	79
155	Germline humanization of a non-human primate antibody that neutralizes the anthrax toxin, by in vitro and in silico engineering. <i>Journal of Molecular Biology</i> , <b>2008</b> , 384, 1400-7	6.5	77
154	Clinical effect of stereotyped B-cell receptor immunoglobulins in chronic lymphocytic leukaemia: a retrospective multicentre study. <i>Lancet Haematology</i> , <b>2014</b> , 1, e74-84	14.6	76
153	IMGT-ONTOLOGY for immunogenetics and immunoinformatics. <i>In Silico Biology</i> , <b>2004</b> , 4, 17-29	2	73
152	IMGT unique numbering for the variable (V), constant (C), and groove (G) domains of IG, TR, MH, IgSF, and MhSF. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 633-42	1.2	70
151	Isolation of a human-like antibody fragment (scFv) that neutralizes ricin biological activity. <i>BMC Biotechnology</i> , <b>2009</b> , 9, 60	3.5	69
150	The human immunoglobulin heavy variable genes. <i>Experimental and Clinical Immunogenetics</i> , <b>1999</b> , 16, 36-60		69
149	Nomenclature of the human immunoglobulin heavy (IGH) genes. <i>Experimental and Clinical Immunogenetics</i> , <b>2001</b> , 18, 100-16		68
148	Costimulatory receptors in jawed vertebrates: conserved CD28, odd CTLA4 and multiple BTLAs. <i>Developmental and Comparative Immunology</i> , <b>2007</b> , 31, 255-71	3.2	64
147	Reproducibility and Reuse of Adaptive Immune Receptor Repertoire Data. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 1418	8.4	63
146	The human anti-thyroid peroxidase autoantibody repertoire in Graves and Hashimoto's autoimmune thyroid diseases. <i>Immunogenetics</i> , <b>2002</b> , 54, 141-57	3.2	63
145	IMGT-ONTOLOGY and IMGT databases, tools and Web resources for immunogenetics and immunoinformatics. <i>Molecular Immunology</i> , <b>2004</b> , 40, 647-60	4.3	63
144	The human immunoglobulin kappa variable (IGKV) genes and joining (IGKJ) segments. <i>Experimental and Clinical Immunogenetics</i> , <b>1998</b> , 15, 171-83		63
143	The human immunoglobulin lambda variable (IGLV) genes and joining (IGLJ) segments. <i>Experimental and Clinical Immunogenetics</i> , <b>1998</b> , 15, 8-18		63
142	The human T-cell receptor gamma (TRG) genes. <i>Trends in Biochemical Sciences</i> , <b>1989</b> , 14, 214-8	10.3	62
141	Reconstructing the duplication history of tandemly repeated genes. <i>Molecular Biology and Evolution</i> , <b>2002</b> , 19, 278-88	8.3	61

140	IMGT-Choreography for immunogenetics and immunoinformatics. <i>In Silico Biology</i> , <b>2005</b> , 5, 45-60	2	58
139	WHO-IUIS Nomenclature Subcommittee for immunoglobulins and T cell receptors report. <i>Immunogenetics</i> , <b>2007</b> , 59, 899-902	3.2	56
138	Not all IGHV3-21 chronic lymphocytic leukemias are equal: prognostic considerations. <i>Blood</i> , <b>2015</b> , 125, 856-9	2.2	55
137	The mouse ( <i>Mus musculus</i> ) T cell receptor alpha (TRA) and delta (TRD) variable genes. <i>Developmental and Comparative Immunology</i> , <b>2003</b> , 27, 465-97	3.2	55
136	IMGT/DomainGapAlign: IMGT standardized analysis of amino acid sequences of variable, constant, and groove domains (IG, TR, MH, IgSF, MhSF). <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 737-49	1.2	53
135	IG, TR and IgSF, MHC and MhSF: what do we learn from the IMGT Colliers de Perles?. <i>Briefings in Functional Genomics &amp; Proteomics</i> , <b>2007</b> , 6, 253-64		53
134	Structure-function relationships of the variable domains of monoclonal antibodies approved for cancer treatment. <i>Critical Reviews in Oncology/Hematology</i> , <b>2007</b> , 64, 210-25	7	53
133	Simultaneous absence of the human IgG1, IgG2, IgG4 and IgA1 subclasses: immunological and immunogenetical considerations. <i>European Journal of Immunology</i> , <b>1983</b> , 13, 240-4	6.1	53
132	IMGT/3Dstructure-DB: querying the IMGT database for 3D structures in immunology and immunoinformatics (IG or antibodies, TR, MH, RPI, and FPIA). <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 750-61	1.2	52
131	Selection of a macaque Fab with framework regions like those in humans, high affinity, and ability to neutralize the protective antigen (PA) of <i>Bacillus anthracis</i> by binding to the segment of PA between residues 686 and 694. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2005</b> , 49, 3414-20	5.9	52
130	Protein displays of the human immunoglobulin heavy, kappa and lambda variable and joining regions. <i>Experimental and Clinical Immunogenetics</i> , <b>1999</b> , 16, 234-40		52
129	Human immunoglobulin heavy chain A2 gene allotype determination by restriction fragment length polymorphism. <i>Nucleic Acids Research</i> , <b>1984</b> , 12, 1303-11	20.1	52
128	Gm, Am and Km immunoglobulin allotypes of two populations in Tunisia. <i>Human Genetics</i> , <b>1979</b> , 50, 199-211	0.1	52
127	IMGT Collier de Perles for the variable (V), constant (C), and groove (G) domains of IG, TR, MH, IgSF, and MhSF. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 643-51	1.2	49
126	DNA sequence variability of IGHG3 alleles associated to the main G3m haplotypes in human populations. <i>European Journal of Human Genetics</i> , <b>2001</b> , 9, 765-72	5.3	47
125	High-Throughput Immunogenetics for Clinical and Research Applications in Immunohematology: Potential and Challenges. <i>Journal of Immunology</i> , <b>2017</b> , 198, 3765-3774	5.3	46
124	IMGT/Collier de Perles: IMGT standardized representation of domains (IG, TR, and IgSF variable and constant domains, MH and MhSF groove domains). <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 726-36	1.2	46
123	The human immunoglobulin heavy diversity (IGHD) and joining (IGHJ) segments. <i>Experimental and Clinical Immunogenetics</i> , <b>1999</b> , 16, 173-84		46

122	Exon duplication and triplication in the human T-cell receptor gamma constant region genes and RFLP in French, Lebanese, Tunisian, and black African populations. <i>Immunogenetics</i> , <b>1989</b> , 29, 161-72	3.2	46
121	IMGT, a system and an ontology that bridge biological and computational spheres in bioinformatics. <i>Briefings in Bioinformatics</i> , <b>2008</b> , 9, 263-75	13.4	45
120	Restricting nonclassical MHC genes coevolve with TRAV genes used by innate-like T cells in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E2983-92	11.5	45
119	Definition of the RFLP alleles in the human immunoglobulin IGHG gene locus. <i>European Journal of Immunology</i> , <b>1988</b> , 18, 1059-65	6.1	44
118	Antibody informatics for drug discovery. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2014</b> , 1844, 2002-2015	4	43
117	IMGT-Kaleidoscope, the formal IMGT-ONTOLOGY paradigm. <i>Biochimie</i> , <b>2008</b> , 90, 570-83	4.6	43
116	IMGT, the international ImMunoGeneTics information system: a standardized approach for immunogenetics and immunoinformatics. <i>Immunome Research</i> , <b>2005</b> , 1, 3		43
115	Nomenclature of the human immunoglobulin kappa (IGK) genes. <i>Experimental and Clinical Immunogenetics</i> , <b>2001</b> , 18, 161-74		43
114	IMGT, the International ImMunoGeneTics database. <i>Nucleic Acids Research</i> , <b>1998</b> , 26, 297-303	20.1	42
113	WHO-IUIS Nomenclature Subcommittee for immunoglobulins and T cell receptors report August 2007, 13th International Congress of Immunology, Rio de Janeiro, Brazil. <i>Developmental and Comparative Immunology</i> , <b>2008</b> , 32, 461-3	3.2	40
112	IMGT, the International ImMunoGeneTics Information System for Immunoinformatics : methods for querying IMGT databases, tools, and web resources in the context of immunoinformatics. <i>Molecular Biotechnology</i> , <b>2008</b> , 40, 101-11	3	40
111	A human immunoglobulin IGHG3 allele (Gmb0,b1,c3,c5,u) with an IGHG4 converted region and three hinge exons. <i>Immunogenetics</i> , <b>1989</b> , 30, 250-7	3.2	38
110	A multigene deletion in the human IGH constant region locus involves highly homologous hot spots of recombination. <i>Genomics</i> , <b>1989</b> , 5, 431-41	4.3	38
109	Inferred Allelic Variants of Immunoglobulin Receptor Genes: A System for Their Evaluation, Documentation, and Naming. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 435	8.4	37
108	From IMGT-ONTOLOGY CLASSIFICATION Axiom to IMGT standardized gene and allele nomenclature: for immunoglobulins (IG) and T cell receptors (TR). <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 627-32	1.2	37
107	IMGT Colliers de Perles: Standardized Sequence-Structure Representations of the IgSF and MhcSF Superfamily Domains. <i>Current Bioinformatics</i> , <b>2007</b> , 2, 21-30	4.7	37
106	IMGT/PhyloGene: an on-line tool for comparative analysis of immunoglobulin and T cell receptor genes. <i>Developmental and Comparative Immunology</i> , <b>2003</b> , 27, 763-79	3.2	37
105	Protein displays of the human T cell receptor alpha, beta, gamma and delta variable and joining regions. <i>Experimental and Clinical Immunogenetics</i> , <b>2000</b> , 17, 205-15		37

104	IMGT, The International ImMunoGeneTics Information System, <a href="http://imgt.cines.fr">http://imgt.cines.fr</a> . <i>Methods in Molecular Biology</i> , <b>2004</b> , 248, 27-49	1.4	36
103	ImmunoGrid: towards agent-based simulations of the human immune system at a natural scale. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2010</b> , 368, 2799-815 <sup>3</sup>		35
102	A high-affinity macaque antibody Fab with human-like framework regions obtained from a small phage display immune library. <i>Molecular Immunology</i> , <b>2004</b> , 41, 539-46	4.3	35
101	Nomenclature of the human immunoglobulin lambda (IGL) genes. <i>Experimental and Clinical Immunogenetics</i> , <b>2001</b> , 18, 242-54		35
100	Diversity, molecular characterization and expression of T cell receptor $\beta$ in a teleost fish, the sea bass ( <i>Dicentrarchus labrax</i> , L). <i>PLoS ONE</i> , <b>2012</b> , 7, e47957	3.7	34
99	Bovine T cell receptor gamma variable and constant genes: combinatorial usage by circulating gammadelta T cells. <i>Immunogenetics</i> , <b>2006</b> , 58, 138-51	3.2	34
98	The genomic sequence of the bovine T cell receptor gamma TRG loci and localization of the TRGC5 cassette. <i>Veterinary Immunology and Immunopathology</i> , <b>2007</b> , 115, 346-56	2	33
97	T cell receptor/peptide/MHC molecular characterization and standardized pMHC contact sites in IMGT/3Dstructure-DB. <i>In Silico Biology</i> , <b>2005</b> , 5, 505-28	2	33
96	IMGT-ONTOLOGY 2012. <i>Frontiers in Genetics</i> , <b>2012</b> , 3, 79	4.5	32
95	IMGT/HighV-QUEST Statistical Significance of IMGT Clonotype (AA) Diversity per Gene for Standardized Comparisons of Next Generation Sequencing Immunoprofiles of Immunoglobulins and T Cell Receptors. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142353	3.7	29
94	Use of IMGT( $\beta$ ) databases and tools for antibody engineering and humanization. <i>Methods in Molecular Biology</i> , <b>2012</b> , 907, 3-37	1.4	29
93	Annotation and classification of the bovine T cell receptor delta genes. <i>BMC Genomics</i> , <b>2010</b> , 11, 100	4.5	29
92	ImmunoGrid, an integrative environment for large-scale simulation of the immune system for vaccine discovery, design and optimization. <i>Briefings in Bioinformatics</i> , <b>2009</b> , 10, 330-40	13.4	29
91	Immunogenetics Sequence Annotation: the Strategy of IMGT based on IMGT-ONTOLOGY. <i>Studies in Health Technology and Informatics</i> , <b>2005</b> , 116, 3-8	0.5	29
90	Characteristics of the somatic hypermutation in the <i>Camelus dromedarius</i> T cell receptor gamma (TRG) and delta (TRD) variable domains. <i>Developmental and Comparative Immunology</i> , <b>2014</b> , 46, 300-13	3.2	28
89	Evolution of the porcine ( <i>Sus scrofa domestica</i> ) immunoglobulin kappa locus through germline gene conversion. <i>Immunogenetics</i> , <b>2012</b> , 64, 303-11	3.2	28
88	Organization, complexity and allelic diversity of the porcine ( <i>Sus scrofa domestica</i> ) immunoglobulin lambda locus. <i>Immunogenetics</i> , <b>2012</b> , 64, 399-407	3.2	28
87	From IMGT-ONTOLOGY IDENTIFICATION axiom to IMGT standardized keywords: for immunoglobulins (IG), T cell receptors (TR), and conventional genes. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 604-13	1.2	28

86	From IMGT-ONTOLOGY DESCRIPTION axiom to IMGT standardized labels: for immunoglobulin (IG) and T cell receptor (TR) sequences and structures. <i>Cold Spring Harbor Protocols</i> , <b>2011</b> , 2011, 614-26	1.2	28
85	IMGT/GeneInfo: enhancing V(D)J recombination database accessibility. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, D51-4	20.1	28
84	The mouse ( <i>Mus musculus</i> ) T cell receptor beta variable (TRBV), diversity (TRBD) and joining (TRBJ) genes. <i>Experimental and Clinical Immunogenetics</i> , <b>2000</b> , 17, 216-28		28
83	IMGT/StatClonotype for Pairwise Evaluation and Visualization of NGS IG and TR IMGT Clonotype (AA) Diversity or Expression from IMGT/HighV-QUEST. <i>Frontiers in Immunology</i> , <b>2016</b> , 7, 339	8.4	28
82	Immunoglobulin lambda light chain orphans on human chromosome 8q11.2. <i>European Journal of Immunology</i> , <b>1997</b> , 27, 1260-5	6.1	27
81	Immunogenetic factors driving formation of ultralong VH CDR3 in <i>Bos taurus</i> antibodies. <i>Cellular and Molecular Immunology</i> , <b>2019</b> , 16, 53-64	15.4	27
80	IMGT, the international ImMunoGeneTics database: a high-quality information system for comparative immunogenetics and immunology. <i>Developmental and Comparative Immunology</i> , <b>2002</b> , 26, 697-705	3.2	26
79	Higher-order connections between stereotyped subsets: implications for improved patient classification in CLL. <i>Blood</i> , <b>2021</b> , 137, 1365-1376	2.2	26
78	Nomenclature and overview of the mouse ( <i>Mus musculus</i> and <i>Mus sp.</i> ) immunoglobulin kappa (IGK) genes. <i>Experimental and Clinical Immunogenetics</i> , <b>2001</b> , 18, 255-79		25
77	Restriction fragment haplotypes in the human immunoglobulin IGHG locus and their correlation with the Gm polymorphism. <i>European Journal of Immunology</i> , <b>1988</b> , 18, 1067-72	6.1	25
76	IMGT Colliers de Perles and IgSF domain standardization for T cell costimulatory activatory (CD28, ICOS) and inhibitory (CTLA4, PDCD1 and BTLA) receptors. <i>Developmental and Comparative Immunology</i> , <b>2007</b> , 31, 1050-72	3.2	24
75	From IMGT-ONTOLOGY to IMGT/LIGMotif: the IMGT standardized approach for immunoglobulin and T cell receptor gene identification and description in large genomic sequences. <i>BMC Bioinformatics</i> , <b>2010</b> , 11, 223	3.6	23
74	Mass spectrometry detection of G3m and IGHG3 alleles and follow-up of differential mother and neonate IgG3. <i>PLoS ONE</i> , <b>2012</b> , 7, e46097	3.7	22
73	A broad range of mutations in HIV-1 neutralizing human monoclonal antibodies specific for V2, V3, and the CD4 binding site. <i>Molecular Immunology</i> , <b>2015</b> , 66, 364-74	4.3	21
72	Gene conversion in human immunoglobulin gamma locus shown by unusual location of IgG allotypes. <i>FEBS Letters</i> , <b>1986</b> , 196, 96-102	3.8	21
71	Human IgG allotypes co-occurring in more than one IgG subclass. <i>Vox Sanguinis</i> , <b>1982</b> , 43, 301-9	3.1	21
70	Chronic Lymphocytic Leukemia with Mutated IGHV4-34 Receptors: Shared and Distinct Immunogenetic Features and Clinical Outcomes. <i>Clinical Cancer Research</i> , <b>2017</b> , 23, 5292-5301	12.9	20
69	Evolution of the T-Cell Receptor (TR) Loci in the Adaptive Immune Response: The Tale of the TRG Locus in Mammals. <i>Genes</i> , <b>2020</b> , 11,	4.2	20



68	IMGT/DomainGapAlign: the IMGT tool for the analysis of IG, TR, MH, IgSF, and MhSF domain amino acid polymorphism. <i>Methods in Molecular Biology</i> , <b>2012</b> , 882, 605-33	1.4	20
67	Expression and genomic analyses of <i>Camelus dromedarius</i> T cell receptor delta (TRD) genes reveal a variable domain repertoire enlargement due to CDR3 diversification and somatic mutation. <i>Molecular Immunology</i> , <b>2011</b> , 48, 1384-96	4.3	20
66	A simple method to predict protein-binding from aligned sequences--application to MHC superfamily and beta2-microglobulin. <i>Bioinformatics</i> , <b>2006</b> , 22, 453-9	7.2	20
65	Molecular analysis of the T17 immunoglobulin CH multigene deletion (del A1-GP-G2-G4-E). <i>Human Genetics</i> , <b>1994</b> , 93, 520-8	6.3	20
64	Deletion, insertion, and restriction site polymorphism of the T-cell receptor gamma variable locus in French, Lebanese, Tunisian, and black African populations. <i>Immunogenetics</i> , <b>1989</b> , 30, 350-60	3.2	20
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62	Sheep ( <i>Ovis aries</i> ) T cell receptor alpha (TRA) and delta (TRD) genes and genomic organization of the TRA/TRD locus. <i>BMC Genomics</i> , <b>2015</b> , 16, 709	4.5	19
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