

Walter Keller

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137
papers

4,947
citations

38
h-index

65
g-index

165
ext. papers

5,553
ext. citations

5.2
avg, IF

4.95
L-index

#	Paper	IF	Citations
137	The three-dimensional structure of canine parvovirus and its functional implications. <i>Science</i> , 1991 , 251, 1456-64	33.3	402
136	Crystal structure of dimeric HIV-1 capsid protein. <i>Nature Structural and Molecular Biology</i> , 1996 , 3, 763-70	7.6	272
135	Recombinant carp parvalbumin, the major cross-reactive fish allergen: a tool for diagnosis and therapy of fish allergy. <i>Journal of Immunology</i> , 2002 , 168, 4576-84	5.3	197
134	Crystal structure of a bZIP/DNA complex at 2.2 Å: determinants of DNA specific recognition. <i>Journal of Molecular Biology</i> , 1995 , 254, 657-67	6.5	163
133	A recombinant hypoallergenic parvalbumin mutant for immunotherapy of IgE-mediated fish allergy. <i>Journal of Immunology</i> , 2007 , 178, 6290-6	5.3	139
132	Identification of Der p 23, a peritrophin-like protein, as a new major Dermatophagoides pteronyssinus allergen associated with the peritrophic matrix of mite fecal pellets. <i>Journal of Immunology</i> , 2013 , 190, 3059-67	5.3	130
131	Coenzyme B12 chemistry: the crystal and molecular structure of cob(II)alamin. <i>Journal of the American Chemical Society</i> , 1989 , 111, 8936-8938	16.4	126
130	Cooking birch pollen-related food: divergent consequences for IgE- and T cell-mediated reactivity in vitro and in vivo. <i>Journal of Allergy and Clinical Immunology</i> , 2006 , 118, 242-9	11.5	125
129	Structural basis for nucleic acid and toxin recognition of the bacterial antitoxin CcdA. <i>Journal of Molecular Biology</i> , 2006 , 364, 170-85	6.5	102
128	Semicorrin Metal Complexes as Enantioselective Catalysts. Part 1. Synthesis of chiral semicorrin ligands and general concepts. <i>Helvetica Chimica Acta</i> , 1988 , 71, 1541-1552	2	101
127	Coenzyme F430 from Methanogenic Bacteria: Complete Assignment of Configuration Based on an X-Ray Analysis of 12,13-Diepi-F430 Pentamethyl Ester and on NMR Spectroscopy. <i>Helvetica Chimica Acta</i> , 1991 , 74, 697-716	2	94
126	S-adenosyl-L-homocysteine hydrolase and methylation disorders: yeast as a model system. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 204-15	6.9	87
125	Dimerization of the major birch pollen allergen Bet v 1 is important for its in vivo IgE-cross-linking potential in mice. <i>Journal of Immunology</i> , 2005 , 175, 6645-50	5.3	80
124	Trimolecular complex between major birch pollen allergen, Bet v 1, monoclonal allergen-specific human IgE and recombinant CD23. <i>Clinical and Translational Allergy</i> , 2014 , 4,	5.2	78
123	Characterisation of recombinant CD23 in the trimeric complex with IgE and allergen. <i>World Allergy Organization Journal</i> , 2015 , 8, A192	5.2	78
122	Conjugative type IV secretion systems in Gram-positive bacteria. <i>Plasmid</i> , 2013 , 70, 289-302	3.3	74
121	A hybrid molecule resembling the epitope spectrum of grass pollen for allergy vaccination. <i>Journal of Allergy and Clinical Immunology</i> , 2005 , 115, 1010-6	11.5	72

120	The cross-reactive calcium-binding pollen allergen, Phl p 7, reveals a novel dimer assembly. <i>EMBO Journal</i> , 2002 , 21, 5007-16	13	70
119	Mutants of the major ryegrass pollen allergen, Lol p 5, with reduced IgE-binding capacity: candidates for grass pollen-specific immunotherapy. <i>European Journal of Immunology</i> , 2002 , 32, 270-80	6.1	69
118	Structure of allergens and structure based epitope predictions. <i>Methods</i> , 2014 , 66, 3-21	4.6	66
117	Characterization of Der p 21, a new important allergen derived from the gut of house dust mites. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2008 , 63, 758-67	9.3	66
116	The structure and binding behavior of the bacterial cell surface layer protein SbsC. <i>Structure</i> , 2008 , 16, 1226-37	5.2	63
115	Characterization of a hypoallergenic recombinant Bet v 1 variant as a candidate for allergen-specific immunotherapy. <i>International Archives of Allergy and Immunology</i> , 2008 , 145, 193-206	3.7	63
114	Formation of disulfide bonds and homodimers of the major cat allergen Fel d 1 equivalent to the natural allergen by expression in Escherichia coli. <i>Journal of Biological Chemistry</i> , 2003 , 278, 40144-51	5.4	61
113	Combination vaccines for the treatment of grass pollen allergy consisting of genetically engineered hybrid molecules with increased immunogenicity. <i>FASEB Journal</i> , 2002 , 16, 1301-3	0.9	61
112	The solution structure of ParD, the antidote of the ParDE toxin antitoxin module, provides the structural basis for DNA and toxin binding. <i>Protein Science</i> , 2007 , 16, 1676-88	6.3	57
111	Synthesis and reactions of biginelli compounds B . Facile preparation and resolution of a stable 5-dihydropyrimidinecarboxylic acid.. <i>Tetrahedron</i> , 1992 , 48, 5473-5480	2.4	56
110	Generation of an allergy vaccine by disruption of the three-dimensional structure of the cross-reactive calcium-binding allergen, Phl p 7. <i>Journal of Immunology</i> , 2004 , 172, 5684-92	5.3	53
109	Conjugation in Gram-Positive Bacteria. <i>Microbiology Spectrum</i> , 2014 , 2, PLAS-0004-2013	8.9	51
108	Mitochondrial lipids in neurodegeneration. <i>Cell and Tissue Research</i> , 2017 , 367, 125-140	4.2	50
107	Cloning, expression, and mapping of allergenic determinants of alphaS1-casein, a major cow's milk allergen. <i>Journal of Immunology</i> , 2009 , 182, 7019-29	5.3	50
106	A nonallergenic birch pollen allergy vaccine consisting of hepatitis PreS-fused Bet v 1 peptides focuses blocking IgG toward IgE epitopes and shifts immune responses to a tolerogenic and Th1 phenotype. <i>Journal of Immunology</i> , 2013 , 190, 3068-78	5.3	49
105	The structure of bacterial S-layer proteins. <i>Progress in Molecular Biology and Translational Science</i> , 2011 , 103, 73-130	4	49
104	The 2.5 Å structure of the enterococcus conjugation protein TraM resembles VirB8 type IV secretion proteins. <i>Journal of Biological Chemistry</i> , 2013 , 288, 2018-28	5.4	47
103	Reduction of the in vivo allergenicity of Der p 2, the major house-dust mite allergen, by genetic engineering. <i>Molecular Immunology</i> , 2008 , 45, 2486-98	4.3	46

102	TraG encoded by the pIP501 type IV secretion system is a two-domain peptidoglycan-degrading enzyme essential for conjugative transfer. <i>Journal of Bacteriology</i> , 2013 , 195, 4436-44	3.5	45
101	Molecular characterization of polygalacturonases as grass pollen-specific marker allergens: expulsion from pollen via submicronic respirable particles. <i>Journal of Immunology</i> , 2004 , 172, 6490-500	5.3	45
100	The TraA relaxase autoregulates the putative type IV secretion-like system encoded by the broad-host-range <i>Streptococcus agalactiae</i> plasmid pIP501. <i>Microbiology (United Kingdom)</i> , 2006 , 152, 637-645	2.9	40
99	Prediction of IgE-binding epitopes by means of allergen surface comparison and correlation to cross-reactivity. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 128, 872-879.e8	11.5	38
98	Misdirected antibody responses against an N-terminal epitope on human rhinovirus VP1 as explanation for recurrent RV infections. <i>FASEB Journal</i> , 2012 , 26, 1001-8	0.9	37
97	Visualization of clustered IgE epitopes on alpha-lactalbumin. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 125, 1279-1285.e9	11.5	37
96	Characterization of folded recombinant Der p 5, a potential diagnostic marker allergen for house dust mite allergy. <i>International Archives of Allergy and Immunology</i> , 2008 , 147, 101-9	3.7	37
95	Antiparasitic compounds from <i>Cupania cinerea</i> with activities against <i>Plasmodium falciparum</i> and <i>Trypanosoma brucei rhodesiense</i> . <i>Journal of Natural Products</i> , 2011 , 74, 559-66	4.9	36
94	Hypoallergenic derivatives of the major birch pollen allergen Bet v 1 obtained by rational sequence reassembly. <i>Journal of Allergy and Clinical Immunology</i> , 2010 , 126, 1024-31, 1031.e1-8	11.5	36
93	The anti-toxin ParD of plasmid RK2 consists of two structurally distinct moieties and belongs to the ribbon-helix-helix family of DNA-binding proteins. <i>Biochemical Journal</i> , 2002 , 361, 41-47	3.8	35
92	TraA and its N-terminal relaxase domain of the Gram-positive plasmid pIP501 show specific oriT binding and behave as dimers in solution. <i>Biochemical Journal</i> , 2005 , 387, 401-9	3.8	33
91	IgE epitope proximity determines immune complex shape and effector cell activation capacity. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 1557-65	11.5	33
90	Dissection of the IgE and T-cell recognition of the major group 5 grass pollen allergen Phl p 5. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 836-45.e11	11.5	32
89	Crystal structure and immunologic characterization of the major grass pollen allergen Phl p 4. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 132, 696-703.e10	11.5	32
88	Cor a 14, the allergenic 2S albumin from hazelnut, is highly thermostable and resistant to gastrointestinal digestion. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 2077-86	5.9	32
87	Carrier-bound nonallergenic Der p 2 peptides induce IgG antibodies blocking allergen-induced basophil activation in allergic patients. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012 , 67, 609-21	9.3	32
86	Characterization of a novel isoform of alpha-nascent polypeptide-associated complex as IgE-defined autoantigen. <i>Journal of Investigative Dermatology</i> , 2002 , 119, 820-9	4.3	32
85	Altered IgE epitope presentation: A model for hypoallergenic activity revealed for Bet v 1 trimer. <i>Molecular Immunology</i> , 2011 , 48, 431-41	4.3	30

84	Three-dimensional structure of the cross-reactive pollen allergen Che a 3: visualizing cross-reactivity on the molecular surfaces of weed, grass, and tree pollen allergens. <i>Journal of Immunology</i> , 2008 , 180, 2313-21	5.3	29
83	Thermodynamic properties and DNA binding of the ParD protein from the broad host-range plasmid RK2/RP4 killing system. <i>Biological Chemistry</i> , 1999 , 380, 1413-20	4.5	28
82	Structure determination of monoclinic canine parvovirus. <i>Acta Crystallographica Section B: Structural Science</i> , 1992 , 48 (Pt 1), 75-88		28
81	Mimotopes identify conformational B-cell epitopes on the two major house dust mite allergens Der p 1 and Der p 2. <i>Molecular Immunology</i> , 2008 , 45, 1308-17	4.3	27
80	Circular dichroism analysis of allergens. <i>Methods</i> , 2004 , 32, 241-8	4.6	27
79	A crystalline cobalt(II)corrinatate derived from vitamin B12: preparation and X-ray crystal structure. <i>Journal of the Chemical Society Chemical Communications</i> , 1987 , 1678-1680		27
78	The anti-toxin ParD of plasmid RK2 consists of two structurally distinct moieties and belongs to the ribbon-helix-helix family of DNA-binding proteins. <i>Biochemical Journal</i> , 2002 , 361, 41-7	3.8	26
77	The essential transfer protein TraM binds to DNA as a tetramer. <i>Journal of Biological Chemistry</i> , 1999 , 274, 37421-8	5.4	26
76	Genetic engineering of the major timothy grass pollen allergen, Phl p 6, to reduce allergenic activity and preserve immunogenicity. <i>Journal of Immunology</i> , 2007 , 179, 1730-9	5.3	25
75	Natural and recombinant molecules of the cherry allergen Pru av 2 show diverse structural and B cell characteristics but similar T cell reactivity. <i>Clinical and Experimental Allergy</i> , 2006 , 36, 359-68	4.1	24
74	A hypoallergenic vaccine obtained by tail-to-head restructuring of timothy grass pollen profilin, Phl p 12, for the treatment of cross-sensitization to profilin. <i>Journal of Immunology</i> , 2007 , 179, 7624-34	5.3	23
73	Disruption of allergenic activity of the major grass pollen allergen Phl p 2 by reassembly as a mosaic protein. <i>Journal of Immunology</i> , 2008 , 181, 4864-73	5.3	22
72	VirB8-like protein TraH is crucial for DNA transfer in <i>Enterococcus faecalis</i> . <i>Scientific Reports</i> , 2016 , 6, 24643	4.9	21
71	Crystallization and preliminary structure determination of the C-terminal truncated domain of the S-layer protein SbsC. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003 , 59, 1466-8		21
70	Critical and direct involvement of the CD23 stalk region in IgE binding. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 281-289.e5	11.5	20
69	Biochemical, biophysical and IgE-epitope characterization of the wheat food allergen, Tri a 37. <i>PLoS ONE</i> , 2014 , 9, e111483	3.7	20
68	Tracking morphologies at the nanoscale: self-assembly of an amphiphilic designer peptide into a double helix superstructure. <i>Nano Research</i> , 2015 , 8, 1822-1833	10	19
67	Molecular, Structural and Immunological Characterization of Der p 18, a Chitinase-Like House Dust Mite Allergen. <i>PLoS ONE</i> , 2016 , 11, e0160641	3.7	19

66	High-resolution crystal structure and IgE recognition of the major grass pollen allergen Phl p 3. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014 , 69, 1617-28	9.3	18
65	The Coordinated Action of Calcineurin and Cathepsin D Protects Against β Synuclein Toxicity. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 207	6.1	17
64	Recombinant monoclonal human immunoglobulin E to investigate the allergenic activity of major grass pollen allergen Phl p 5. <i>Clinical and Experimental Allergy</i> , 2011 , 41, 270-80	4.1	17
63	Molecular characterization of recombinant T1, a non-allergenic periwinkle (<i>Catharanthus roseus</i>) protein, with sequence similarity to the Bet v 1 plant allergen family. <i>Biochemical Journal</i> , 2003 , 373, 261-9	3.8	17
62	Regulation of Gram-Positive Conjugation. <i>Frontiers in Microbiology</i> , 2019 , 10, 1134	5.7	16
61	Similar localization of conformational IgE epitopes on the house dust mite allergens Der p 5 and Der p 21 despite limited IgE cross-reactivity. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018 , 73, 1653-1661	9.3	15
60	Neutralization of SARS-CoV-2 requires antibodies against conformational receptor-binding domain epitopes. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 ,	9.3	14
59	Bacterial fermentation of recombinant major wasp allergen Antigen 5 using oxygen limiting growth conditions improves yield and quality of inclusion bodies. <i>Protein Expression and Purification</i> , 2006 , 47, 621-8	2	13
58	Crystallization and preliminary structure determination of the plant food allergen Pru av 2. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005 , 61, 186-8		13
57	Reagent or myeloperoxidase-generated hypochlorite affects discrete regions in lipid-free and lipid-associated human apolipoprotein A-I. <i>Biochemical Journal</i> , 2000 , 346, 345	3.8	13
56	Different modes of IgE binding to CD23 revealed with major birch allergen, Bet v 1-specific monoclonal IgE. <i>Immunology and Cell Biology</i> , 2013 , 91, 167-72	5	12
55	Isolation of a high-affinity Bet v 1-specific IgG-derived ScFv from a subject vaccinated with hypoallergenic Bet v 1 fragments. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018 , 73, 1425-1435	9.3	11
54	The Enzymatic Core of the Parkinson's Disease-Associated Protein LRRK2 Impairs Mitochondrial Biogenesis in Aging Yeast. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 205	6.1	11
53	The high-molecular-mass amylase (HMMA) of <i>Geobacillus stearothermophilus</i> ATCC 12980 interacts with the cell wall components by virtue of three specific binding regions. <i>Molecular Microbiology</i> , 2009 , 72, 1448-61	4.1	11
52	Generation of a low immunoglobulin E-binding mutant of the timothy grass pollen major allergen Phl p 5a. <i>Clinical and Experimental Allergy</i> , 2007 , 37, 441-50	4.1	11
51	Bacterially expressed and optimized recombinant Phl p 1 is immunobiochemically equivalent to natural Phl p 1. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006 , 1764, 1701-9	4	11
50	Pressurized CO as a carboxylating agent for the biocatalytic -carboxylation of resorcinol. <i>Green Chemistry</i> , 2018 , 20, 1754-1759	10	10
49	Structure of the double-stranded DNA-binding type IV secretion protein TraN from <i>Enterococcus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 2376-89		10

48	Biophysical characterization of recombinant HIV-1 subtype C virus infectivity factor. <i>Amino Acids</i> , 2011 , 40, 981-9	3.5	10
47	Biochemical characterization of three putative ATPases from a new type IV secretion system of <i>Aeromonas veronii</i> plasmid pAC3249A. <i>BMC Biochemistry</i> , 2010 , 11, 10	4.8	10
46	Stereochemistry of planar chiral compounds, part XII: Absolute chiralities and X-ray crystal structures of 2,2?-Bi(1,6-methano[10]annulenylo)s. <i>Monatshefte für Chemie</i> , 1989 , 120, 453-462	1.4	10
45	Syntheses of bile pigments. Part 15. First unequivocal assignment of the absolute configuration of an urobilinoid bile pigment by X-ray diffraction analysis of its synthetic precursor. <i>Helvetica Chimica Acta</i> , 1987 , 70, 2098-2109	2	10
44	Epitope specificity determines cross-protection of a SIT-induced IgG4 antibody. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2016 , 71, 36-46	9.3	10
43	Recombinant glycoproteins resembling carbohydrate-specific IgE epitopes from plants, venoms and mites. <i>EBioMedicine</i> , 2019 , 39, 33-43	8.8	10
42	Rational design of a hypoallergenic Phl p 7 variant for immunotherapy of polcalcin-sensitized patients. <i>Scientific Reports</i> , 2019 , 9, 7802	4.9	9
41	Fusion proteins consisting of Bet v 1 and Phl p 5 form IgE-reactive aggregates with reduced allergenic activity. <i>Scientific Reports</i> , 2019 , 9, 4006	4.9	9
40	Comparison of the specificities of IgG, IgG-subclass, IgA and IgM reactivities in African and European HIV-infected individuals with an HIV-1 clade C proteome-based array. <i>PLoS ONE</i> , 2015 , 10, e0117204	7.204	9
39	Hypoallergenic mutants of the Timothy grass pollen allergen Phl p 5 generated by proline mutations. <i>International Archives of Allergy and Immunology</i> , 2012 , 159, 130-42	3.7	9
38	Three-dimensional structure of the wheat α -amylase Tri a 17, a clinically relevant food allergen. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 1009-1013	9.3	9
37	Conjugative type IV secretion in Gram-positive pathogens: TraG, a lytic transglycosylase and endopeptidase, interacts with translocation channel protein TraM. <i>Plasmid</i> , 2017 , 91, 9-18	3.3	8
36	Clustering of conformational IgE epitopes on the major dog allergen Can f 1. <i>Scientific Reports</i> , 2017 , 7, 12135	4.9	8
35	An Engineered Hybrid Protein from Allergens Shows Hypoallergenicity. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
34	Effect of protamine on the solubility and deamidation of human growth hormone. <i>International Journal of Pharmaceutics</i> , 2012 , 427, 209-16	6.5	8
33	Mechanisms of Conjugative Transfer and Type IV Secretion-Mediated Effector Transport in Gram-Positive Bacteria. <i>Current Topics in Microbiology and Immunology</i> , 2017 , 413, 115-141	3.3	8
32	X-filtering for a range of coupling constants: application to the detection of intermolecular NOEs. <i>Journal of Magnetic Resonance</i> , 2003 , 160, 97-106	3	8
31	The type IV secretion protein TraK from the Enterococcus conjugative plasmid pIP501 exhibits a novel fold. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014 , 70, 1124-35		8

30	Backbone resonance assignment of Alt a 1, a unique β barrel protein and the major allergen of <i>Alternaria alternata</i> . <i>Biomolecular NMR Assignments</i> , 2014 , 8, 229-31	0.7	7
29	Targeting Type IV Secretion System Proteins to Combat Multidrug-Resistant Gram-positive Pathogens. <i>Journal of Infectious Diseases</i> , 2017 , 215, 1836-1845	7	7
28	Crystallization of domains involved in self-assembly of the S-layer protein SbsC. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 1511-4		7
27	Determination and refinement of the canine parvovirus empty-capsid structure. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1993 , 49, 572-9		7
26	Metal Ion Promiscuity and Structure of 2,3-Dihydroxybenzoic Acid Decarboxylase of <i>Aspergillus oryzae</i> . <i>ChemBioChem</i> , 2021 , 22, 652-656	3.8	7
25	Reaction Mechanism and Substrate Specificity of -orotate Decarboxylase: A Combined Theoretical and Experimental Study. <i>Frontiers in Chemistry</i> , 2018 , 6, 608	5	7
24	Characterization of a hybrid protein designed with segments of allergens from <i>Blomia tropicalis</i> and <i>Dermatophagoides pteronyssinus</i> . <i>Immunology Letters</i> , 2018 , 196, 103-112	4.1	6
23	Enterococcus adhesin PrgB facilitates type IV secretion by condensation of extracellular DNA. <i>Molecular Microbiology</i> , 2018 , 109, 263-267	4.1	6
22	Tropomyosins in mosquito and house dust mite cross-react at the humoral and cellular level. <i>Clinical and Experimental Allergy</i> , 2018 , 48, 1354-1363	4.1	6
21	Crystallization and preliminary structure determination of the transfer protein TraM from the Gram-positive conjugative plasmid pIP501. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013 , 69, 178-83		6
20	Three-dimensional structure of the panallergen Phl p 7. <i>International Archives of Allergy and Immunology</i> , 2003 , 130, 10-1	3.7	6
19	TraN: A novel repressor of an Enterococcus conjugative type IV secretion system. <i>Nucleic Acids Research</i> , 2018 , 46, 9201-9219	20.1	5
18	Crystallization and first data collection of the putative transfer protein TraN from the Gram-positive conjugative plasmid pIP501. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2012 , 68, 1402-5		5
17	Towards the structure of the C-terminal part of the S-layer protein SbsC. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2009 , 65, 1042-7		5
16	Allergen-specific IgE levels and the ability of IgE-allergen complexes to cross-link determine the extent of CD23-mediated T-cell activation. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 145, 958-967.e5	11.5	5
15	Characterization of mutants of a highly cross-reactive calcium-binding protein from Brassica pollen for allergen-specific immunotherapy. <i>Immunobiology</i> , 2013 , 218, 1155-1165	3.4	4
14	Expression in and Purification of Folded rDer p 20, the Arginine Kinase From : A Possible Biomarker for Allergic Asthma. <i>Allergy, Asthma and Immunology Research</i> , 2021 , 13, 154-163	5.3	4
13	Vaccine based on folded RBD-PreS fusion protein with potential to induce sterilizing immunity to SARS-CoV-2 variants.. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022 ,	9.3	4

12	Structure and reactivity of xanthocorrinoids. Part V. Formation of trans-diol derivatives of 5,6-dihydrocobyric acid from xanthocorrinoids under acidic conditions. <i>Helvetica Chimica Acta</i> , 1991 , 74, 1287-1295	2	3
11	Structural and allergenic properties of the Fatty Acid Binding Protein from shrimp <i>Litopenaeus vannamei</i> . <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 ,	9.3	3
10	Filling the Antibody Pipeline in Allergy: PIPE Cloning of IgE, IgG and IgG against the Major Birch Pollen Allergen Bet v 1. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
9	IgE Epitopes of the House Dust Mite Allergen Der p 7 Are Mainly Discontinuous and Conformational. <i>Frontiers in Immunology</i> , 2021 , 12, 687294	8.4	3
8	SPADE web service for prediction of allergen IgE epitopes. <i>Nucleic Acids Research</i> , 2019 , 47, W496-W501	20.1	2
7	¹ H, ¹⁵ N and ¹³ C chemical shift assignment of the Gram-positive conjugative transfer protein TraH _{PIP501} . <i>Biomolecular NMR Assignments</i> , 2016 , 10, 163-6	0.7	2
6	Two different crystal and molecular structures for dicarbonyl(2-cis-cyclooctene)[β-1,3,5-triethyl-2,4,6-tris-(trimethylsilylmethyl)-benzene]molybdenum(0): a highly crowded but surprisingly stable molecule. <i>Monatshefte für Chemie</i> , 1992 , 123, 443-454	1.4	2
5	Tartaric Acid Chloralides: Isolation and X-ray Analysis of the Third Existing Stereoisomer. Force-Field and AM1 Calculation of all Six Possible Structures. <i>Chemische Berichte</i> , 1989 , 122, 1203-1205		1
4	Dissociation of the respiratory syncytial virus F protein-specific human IgG, IgA and IgM response. <i>Scientific Reports</i> , 2021 , 11, 3551	4.9	1
3	Small Things Matter: The 11.6-kDa TraB Protein is Crucial for Antibiotic Resistance Transfer Among Enterococci. <i>Frontiers in Molecular Biosciences</i> , 2022 , 9, 867136	5.6	1
2	The structure of 2 EF-hand calcium binding allergen Che a 3. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004 , 60, s128-s128		
1	Conjugation in Gram-Positive Bacteria	237-256	