Travis Beddoe

List of Publications by Year
in descending order

116 papers	6,841 citations	81743 39 h-index	62479 80 g-index
126 all docs	126 docs citations	126 times ranked	8820 citing authors

#	Article	IF	Citations
1	The Biomolecules Journal Club: Highlights on Recent Papersâ€”1. Biomolecules, 2022, 12, 86.	1.8	0
2	Bovine Natural Antibody Relationships to Specific Antibodies and Fasciola hepatica Burdens after Experimental Infection and Vaccination with Glutathione S-Transferase. Veterinary Sciences, 2022, 9, 58.	0.6	3
3	The Role of Anti-Viral Effector Molecules in Mollusc Hemolymph. Biomolecules, 2022, 12, 345.	1.8	6
4	OZITX, a pertussis toxin-like protein for occluding inhibitory G protein signalling including Gî±z. Communications Biology, 2022, 5, 256.	2.0	7
5	Crystal structures of pertussis toxin with NAD+ and analogs provide structural insights into the mechanism of its cytosolic ADP-ribosylation activity. Journal of Biological Chemistry, 2022, 298, 101892.	1.6	5
6	Sialoglycan-binding patterns of bacterial AB5 toxin B subunits correlate with host range and toxicity, indicating evolution independent of A subunits. Journal of Biological Chemistry, 2022, 298, 101900.	1.6	6
7	Evaluation of the Role of Galectins in Parasite Immunity. Methods in Molecular Biology, 2022, 2442, 475-515.	0.4	1
8	Development of molecular detection methods of Bovicola ovis from sheep fleece. Parasitology Research, 2022, 121, 1597.	0.6	1
9	Towards understanding the liver fluke transmission dynamics on farms: Detection of liver fluke transmitting snail and liver fluke-specific environmental DNA in water samples from an irrigated dairy farm in Southeast Australia. Veterinary Parasitology, 2021, 291, 109373.	0.7	12
10	Current Status of Loop-Mediated Isothermal Amplification Technologies for the Detection of Honey Bee Pathogens. Frontiers in Veterinary Science, 2021, 8, 659683.	0.9	3
11	Current Status for Controlling the Overlooked Caprine Fasciolosis. Animals, 2021, 11, 1819.	1.0	11
12	Fasciola hepatica Control Practices on a Sample of Dairy Farms in Victoria, Australia. Frontiers in Veterinary Science, 2021, 8, 669117.	0.9	3
13	Isothermal Nucleic Acid Amplification Technologies for the Detection of Equine Viral Pathogens. Animals, 2021, 11, 2150.	1.0	8
14	Analysis of daily variation in the release of faecal eggs and coproantigen of Fasciola hepatica in naturally infected dairy cattle and the impact on diagnostic test sensitivity. Veterinary Parasitology, 2021, 298, 109504.	0.7	6
15	Evaluation of Immunogenicity and Efficacy of Fasciola hepatica Tetraspanin 2 (TSP2) Fused to E. coli Heat-Labile Enterotoxin B Subunit LTB Adjuvant Following Intranasal Vaccination of Cattle. Vaccines, 2021, 9, 1213.	2.1	7
16	Teladorsagia Circumcincta Galectin-Mucosal Interactome in Sheep. Veterinary Sciences, 2021, 8, 216.	0.6	2
17	Determination of the prevalence and intensity of Fasciola hepatica infection in dairy cattle from six irrigation regions of Victoria, South-eastern Australia, further identifying significant triclabendazole resistance on three properties. Veterinary Parasitology, 2020, 277, 109019.	0.7	22
18	Molecular characterisation and vaccine efficacy of two novel developmentally regulated surface tegument proteins of Fasciola hepatica. Veterinary Parasitology, 2020, 286, 109244.	0.7	9

#	Article	IF	Citations
19	The oligomeric assembly of galectin-11 is critical for anti-parasitic activity in sheep (Ovis aries). Communications Biology, 2020, 3, 464.	2.0	4
20	Air sampling for detection of infectious laryngotracheitis (ILT) in commercial poultry flocks. BMC Research Notes, 2020, 13, 556.	0.6	0
21	The Consequences of Stigma for Knowledge Production: Sheep Producers' Attitudes to Footrot Diagnostics and Control in Australia. Frontiers in Veterinary Science, 2020, 7, 354.	0.9	5
22	Evaluation of loop-mediated isothermal amplification (LAMP) assay for detection of aprV2 positive Dichelobacter nodosus in-field by secondary users. BMC Research Notes, 2019, 12, 534.	0.6	3
23	Proteomic identification of galectin-11 and -14 ligands from Fasciola hepatica. International Journal for Parasitology, 2019, 49, 921-932.	1.3	7
24	Optimization of a Loop Mediated Isothermal Amplification (LAMP) Assay for In-Field Detection of Dichelobacter nodosus With aprV2 (VDN LAMP) in Victorian Sheep Flocks. Frontiers in Veterinary Science, 2019, 6, 67.	0.9	10
25	Crocodilepox Virus Evolutionary Genomics Supports Observed Poxvirus Infection Dynamics on Saltwater Crocodile (Crocodylus porosus). Viruses, 2019, 11, 1116.	1.5	23
26	The development and deployment of a field-based loop mediated isothermal amplification assay for virulent Dichelobacter nodosus detection on Australian sheep. PLoS ONE, 2018, 13, e0204310.	1.1	14
27	Assessment of a rtPCR for the detection of virulent and benign Dichelobacter nodosus, the causative agent of ovine footrot, in Australia. BMC Veterinary Research, 2018, 14, 252.	0.7	12
28	Development of a multiplex quantitative PCR assay for detection and quantification of DNA from Fasciola hepatica and the intermediate snail host, Austropeplea tomentosa, in water samples. Veterinary Parasitology, 2018, 259, 17-24.	0.7	20
29	Direct serogrouping of Dichelobacter nodosus from Victorian farms using conventional multiplex polymerase chain reaction. BMC Research Notes, 2018, 11, 108.	0.6	10
30	Proteomic identification of galectin-11 and 14 ligands fromHaemonchus contortus. PeerJ, 2018, 6, e4510.	0.9	7
31	Rapid Evolution of Bacterial Exotoxin B Subunits Independent of A subunits: Sialic Acid Binding Preferences Correlate with Host Range and Intrinsic Toxicity. FASEB Journal, 2018, 32, 673.3.	0.2	0
32	A novel ex vivo immunoproteomic approach characterising Fasciola hepatica tegumental antigens identified using immune antibody from resistant sheep. International Journal for Parasitology, 2017, 47, 555-567.	1.3	20
33	Vacuolation Activity and Intracellular Trafficking of ArtB, the Binding Subunit of an AB5 Toxin Produced by Salmonella enterica Serovar Typhi. Infection and Immunity, 2017, 85, .	1.0	6
34	A conserved energetic footprint underpins recognition of human leukocyte antigen-E by two distinct Î±Î²2 T cell receptors. Journal of Biological Chemistry, 2017, 292, 21149-21158.	1.6	20
35	Structureâ€“function analyses of a pertussis-like toxin from pathogenic Escherichia coli reveal a distinct mechanism of inhibition of trimeric G-proteins. Journal of Biological Chemistry, 2017, 292, 15143-15158.	1.6	23
36	The Endoplasmic Reticulum-Mitochondrion Tether ERMES Orchestrates Fungal Immune Evasion, Illuminating Inflammasome Responses to Hyphal Signals. MSphere, 2016, 1, .	1.3	39

#	Article	IF	Citations
37	Crystal structure of fuculose aldolase from the Antarctic psychrophilic yeastGlaciozyma antarcticaPI12. Acta Crystallographica Section F, Structural Biology Communications, 2016, 72, 831-839.	0.4	7
38	Thermotolerance and molecular chaperone function of an SGT1-like protein from the psychrophilic yeast, Glaciozyma antarctica. Cell Stress and Chaperones, 2016, 21, 707-715.	1.2	10
39	Current Threat of Triclabendazole Resistance in Fasciola hepatica. Trends in Parasitology, 2016, 32, 458-469.	1.5	233
40	Disrupting the Allosteric Interaction between the Plasmodium falciparum cAMP-dependent Kinase and Its Regulatory Subunit. Journal of Biological Chemistry, 2016, 291, 25375-25386.	1.6	14
41	Cloning, expression, purification and crystallographic studies of galectin-11 from domestic sheep (Ovis aries). Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 993-997.	0.4	10
42	Galectin-11: A novel host mediator targeting specific stages of the gastrointestinal nematode parasite, Haemonchus contortus. International Journal for Parasitology, 2015, 45, 791-796.	1.3	20
43	The Interaction of KIR3DL1*001 with HLA Class I Molecules Is Dependent upon Molecular Microarchitecture within the Bw4 Epitope. Journal of Immunology, 2015, 194, 781-789.	0.4	25
44	Evaluation of the Role of Galectins in Parasite Immunity. Methods in Molecular Biology, 2015, 1207, 371-395.	0.4	11
45	The RNA-Dependent-RNA Polymerase, an Emerging Antiviral Drug Target for the Hendra Virus. Current Drug Targets, 2014, 15, 103-113.	1.0	13
46	A mortiseâ€“tenon joint in the transmembrane domain modulates autotransporter assembly into bacterial outer membranes. Nature Communications, 2014, 5, 4239.	5.8	46
47	A molecular basis underpinning the T cell receptor heterogeneity of mucosal-associated invariant T cells. Journal of Experimental Medicine, 2014, 211, 1585-1600.	4.2	245
48	A structural characterization of the isoniazidMycobacterium tuberculosisdrug target, Rv2971, in its unliganded form. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 572-577.	0.4	3
49	First insight into CD59-like molecules of adult Fasciola hepatica. Experimental Parasitology, 2014, 144, 57-64.	0.5	12
50	A structural and functional investigation of a novel protein fromMycobacterium smegmatisimplicated in mycobacterial macrophage survivability. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2264-2276.	2.5	3
51	Multiple ecto-nucleoside triphosphate diphosphohydrolases facilitate intracellular replication of Legionella pneumophila. Biochemical Journal, 2014, 462, 279-289.	1.7	11
52	CD1d lipid-antigen recognition by the Î³Î´ TCR. Acta Crystallographica Section A: Foundations and Advances, 2014, 70, C244-C244.	0.0	0
53	Butyrophilin 3A1 binds phosphorylated antigens and stimulates human Î³Î´ T cells. Nature Immunology, 2013, 14, 908-916.	7.0	351
54	Recognition of vitamin B metabolites by mucosal-associated invariant T cells. Nature Communications, 2013, 4, 2142.	5.8	261

#	Article	IF	Citations
55	Structural basis of a unique interferon-Î² signaling axis mediated via the receptor IFNAR1. Nature Immunology, 2013, 14, 901-907.	7.0	255
56	CD1d-lipid antigen recognition by the Î³Î´ TCR. Nature Immunology, 2013, 14, 1137-1145.	7.0	256
57	EcxAB Is a Founding Member of a New Family of Metalloprotease AB5 Toxins with a Hybrid Cholera-like B Subunit. Structure, 2013, 21, 2003-2013.	1.6	22
58	Efficient production of recombinant IL-21 proteins for pre-clinical studies by a two-step dilution refolding method. International Immunopharmacology, 2013, 16, 376-381.	1.7	11
59	Targeting of a natural killer cell receptor family by a viral immunoevasin. Nature Immunology, 2013, 14, 699-705.	7.0	41
60	Cloning, expression and crystallisation of SGT1 co-chaperone protein from Glaciozyma antarctica. AIP Conference Proceedings, 2013, , .	0.3	2
61	Structural Basis of Subtilase Cytotoxin SubAB Assembly. Journal of Biological Chemistry, 2013, 288, 27505-27516.	1.6	21
62	Cloning, expression, purification and preliminary X-ray diffraction studies of a novel AB5toxin. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 912-915.	0.7	6
63	Cloning, expression, purification and preliminary X-ray diffraction studies of a mycobacterial protein implicated in bacterial survival in macrophages. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 566-569.	0.7	1
64	The B Subunit of an AB5 Toxin Produced by Salmonella enterica Serovar Typhi Up-Regulates Chemokines, Cytokines, and Adhesion Molecules in Human Macrophage, Colonic Epithelial, and Brain Microvascular Endothelial Cell Lines. Infection and Immunity, 2013, 81, 673-683.	1.0	19
65	Biased T Cell Receptor Usage Directed against Human Leukocyte Antigen DQ8-Restricted Gliadin Peptides Is Associated with Celiac Disease. Immunity, 2012, 37, 611-621.	6.6	121
66	Recognition of Î²-linked self glycolipids mediated by natural killer T cell antigen receptors. Nature Immunology, 2011, 12, 827-833.	7.0	111
67	How opposites attract. Immunology and Cell Biology, 2011, 89, 163-164.	1.0	0
68	Killer cell immunoglobulin-like receptor 3DL1-mediated recognition of human leukocyte antigen B. Nature, 2011, 479, 401-405.	13.7	174
69	NKT TCR Recognition of CD1d-Î±-C-Galactosylceramide. Journal of Immunology, 2011, 187, 4705-4713.	0.4	62
70	Crystal Structure of a Legionella pneumophila Ecto -Triphosphate Diphosphohydrolase, A Structural and Functional Homolog of the Eukaryotic NTPDases. Structure, 2010, 18, 228-238.	1.6	39
71	Structure, biological functions and applications of the AB5 toxins. Trends in Biochemical Sciences, 2010, 35, 411-418.	3.7	204
72	The structural basis for autonomous dimerization of the pre-T-cell antigen receptor. Nature, 2010, 467, 844-848.	13.7	68

#	Article	IF	Citations
73	Hard wiring of T cell receptor specificity for the major histocompatibility complex is underpinned by TCR adaptability. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10608-10613.	3.3	101
74	Tetrahydrolipstatin Inhibition, Functional Analyses, and Three-dimensional Structure of a Lipase Essential for Mycobacterial Viability. Journal of Biological Chemistry, 2010, 285, 30050-30060.	1.6	30
75	Crystal Structure and Comparative Functional Analyses of a Mycobacterium Aldo-Keto Reductase. Journal of Molecular Biology, 2010, 398, 26-39.	2.0	12
76	Antigen Ligation Triggers a Conformational Change within the Constant Domain of the Î±Î² T Cell Receptor. Immunity, 2009, 30, 777-788.	6.6	111
77	Crystal Structure of LipL32, the Most Abundant Surface Protein of Pathogenic Leptospira spp.. Journal of Molecular Biology, 2009, 387, 1229-1238.	2.0	53
78	Structure and Function of the Oxidoreductase DsbA1 from Neisseria meningitidis. Journal of Molecular Biology, 2009, 394, 931-943.	2.0	36
79	Natural micropolymorphism in human leukocyte antigens provides a basis for genetic control of antigen recognition. Journal of Experimental Medicine, 2009, 206, 209-219.	4.2	93
80	Expression, purification, crystallization and preliminary X-ray characterization of a putative glycosyltransferase of the GT-A fold found in mycobacteria. Acta Crystallographica Section F: Structural Biology Communications, 2008, 64, 428-431.	0.7	6
81	Incorporation of a non-human glycan mediates human susceptibility to a bacterial toxin. Nature, 2008, 456, 648-652.	13.7	217
82	Subtle Changes in Peptide Conformation Profoundly Affect Recognition of the Non-Classical MHC Class I Molecule HLA-E by the CD94â€“NKG2 Natural Killer Cell Receptors. Journal of Molecular Biology, 2008, 377, 1297-1303.	2.0	88
83	Crystal Structure of a UDP-glucose-specific Glycosyltransferase from a Mycobacterium Species. Journal of Biological Chemistry, 2008, 283, 27881-27890.	1.6	23
84	Structural and Biochemical Characterization of the Oxidoreductase NmDsbA3 from Neisseria meningitidis. Journal of Biological Chemistry, 2008, 283, 32452-32461.	1.6	23
85	Enzymatic Properties of an Ecto-nucleoside Triphosphate Diphosphohydrolase from Legionella pneumophila. Journal of Biological Chemistry, 2008, 283, 12909-12918.	1.6	54
86	A minimal binding footprint on CD1d-glycolipid is a basis for selection of the unique human NKT TCR. Journal of Experimental Medicine, 2008, 205, 939-949.	4.2	83
87	CD94-NKG2A recognition of human leukocyte antigen (HLA)-E bound to an HLA class I leader sequence. Journal of Experimental Medicine, 2008, 205, 725-735.	4.2	198
88	The Heterodimeric Assembly of the CD94-NKG2 Receptor Family and Implications for Human Leukocyte Antigen-E Recognition. Immunity, 2007, 27, 900-911.	6.6	87
89	A T cell receptor flattens a bulged antigenic peptide presented by a major histocompatibility complex class I molecule. Nature Immunology, 2007, 8, 268-276.	7.0	206
90	A structural basis for selection and cross-species reactivity of the semi-invariant NKT cell receptor in CD1d/glycolipid recognition. Journal of Experimental Medicine, 2006, 203, 661-673.	4.2	105

#	Article	IF	Citations
91	Disparate thermodynamics governing T cell receptor-MHC-I interactions implicate extrinsic factors in guiding MHC restriction. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6641-6646.	3.3	52
92	Hijacking of a Substrate-binding Protein Scaffold for use in Mycobacterial Cell Wall Biosynthesis. Journal of Molecular Biology, 2006, 359, 983-997.	2.0	23
93	Structural basis for a major histocompatibility complex class Ibâ€“restricted T cell response. Nature Immunology, 2006, 7, 256-264.	7.0	109
94	AB5 subtilase cytotoxin inactivates the endoplasmic reticulum chaperone BiP. Nature, 2006, 443, 548-552.	13.7	351
95	The 2.0 Ã… Crystal Structure of a Pocilloporin at pH 3.5: The Structural Basis for the Linkage Between Color Transition and Halide Binding. Photochemistry and Photobiology, 2006, 82, 359.	1.3	8
96	Tracking the Unfolding Pathway of a Multirepeat Protein via Tryptophan Scanning. Journal of Biological Chemistry, 2006, 281, 24345-24350.	1.6	9
97	The CDR3 regions of an immunodominant T cell receptor dictate the 'energetic landscape' of peptide-MHC recognition. Nature Immunology, 2005, 6, 171-180.	7.0	187
98	T cell receptor recognition of a 'super-bulged' major histocompatibility complex class Iâ€“bound peptide. Nature Immunology, 2005, 6, 1114-1122.	7.0	280
99	Expression, purification, crystallization and preliminary X-ray diffraction analysis of an essential lipoprotein implicated in cell-wall biosynthesis inMycobacteria. Acta Crystallographica Section F: Structural Biology Communications, 2005, 61, 1081-1083.	0.7	4
100	Antagonism of Antiviral and Allogeneic Activity of a Human Public CTL Clonotype by a Single Altered Peptide Ligand: Implications for Allograft Rejection. Journal of Immunology, 2005, 174, 5593-5601.	0.4	30
101	High Resolution Structures of Highly Bulged Viral Epitopes Bound to Major Histocompatibility Complex Class I. Journal of Biological Chemistry, 2005, 280, 23900-23909.	1.6	162
102	The High Resolution Crystal Structure of the Human Tumor Suppressor Maspin Reveals a Novel Conformational Switch in the G-helix. Journal of Biological Chemistry, 2005, 280, 22356-22364.	1.6	69
103	Crystal structure of the human T cell receptor CD3ÂÂ heterodimer complexed to the therapeutic mAb OKT3. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7675-7680.	3.3	148
104	Functional and Structural Characteristics of NY-ESO-1-related HLA A2-restricted Epitopes and the Design of a Novel Immunogenic Analogue. Journal of Biological Chemistry, 2004, 279, 23438-23446.	1.6	61
105	Natural HLA Class I Polymorphism Controls the Pathway of Antigen Presentation and Susceptibility to Viral Evasion. Journal of Experimental Medicine, 2004, 200, 13-24.	4.2	159
106	A Biophysical Analysis of the Tetratricopeptide Repeat-rich Mitochondrial Import Receptor, Tom70, Reveals an Elongated Monomer That Is Inherently Flexible, Unstable, and Unfolds via a Multistate Pathway. Journal of Biological Chemistry, 2004, 279, 46448-46454.	1.6	24
107	The Structure of H-2Kb and Kbm8 Complexed to a Herpes Simplex Virus Determinant: Evidence for a Conformational Switch That Governs T Cell Repertoire Selection and Viral Resistance. Journal of Immunology, 2004, 173, 402-409.	0.4	31
108	The 2.2 Ã… Crystal Structure of a Pocilloporin Pigment Reveals a Nonplanar Chromophore Conformation. Structure, 2003, 11, 275-284.	1.6	127

#	Article	IF	Citations
109	The production, purification and crystallization of a pocilloporin pigment from a reef-forming coral. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 597-599.	2.5	19
110	The 2.0-Ã... Crystal Structure of eqFP611, a Far Red Fluorescent Protein from the Sea Anemone Entacmaea quadricolor. Journal of Biological Chemistry, 2003, 278, 44626-44631.	1.6	158
111	The crystal structure of myelin oligodendrocyte glycoprotein, a key autoantigen in multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11059-11064.	3.3	121
112	The nascent polypeptide-associated complex (NAC) promotes interaction of ribosomes with the mitochondrial surface in vivo. FEBS Letters, 2002, 516, 213-216.	1.3	87
113	Delivery of nascent polypeptides to the mitochondrial surface. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1592, 35-39.	1.9	58
114	The mitochondrial protein targeting suppressor (mts1) mutation maps to the mRNA-binding domain of Npl3p and affects translation on cytoplasmic polysomes. Molecular Microbiology, 2002, 35, 1277-1285.	1.2	9
115	Ribosome binding to the surface of mitochondria: mechanisms and consequences. Biochemical Society Transactions, 2000, 28, A457-A457.	1.6	0
116	The protein encoded by theMFT1gene is a targeting factor for mitochondrial precursor proteins, and not a core ribosomal protein. FEBS Letters, 1997, 407, 220-224.	1.3	5