

Patrick England

List of Publications by Year in descending order

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89
papers

6,989
citations

70961

41
h-index

62479

80
g-index

96
all docs

96
docs citations

96
times ranked

11670
citing authors

#	ARTICLE	IF	CITATIONS
1	Specificity and affinity of human Fc γ 3 receptors and their polymorphic variants for human IgG subclasses. <i>Blood</i> , 2009, 113, 3716-3725.	0.6	1,218
2	Structural basis of potent Zika \leftrightarrow dengue virus antibody cross-neutralization. <i>Nature</i> , 2016, 536, 48-53.	13.7	465
3	Efficient protection and isolation of ubiquitylated proteins using tandem ubiquitin \leftrightarrow binding entities. <i>EMBO Reports</i> , 2009, 10, 1250-1258.	2.0	407
4	ESAT-6 from <i>Mycobacterium tuberculosis</i> Dissociates from Its Putative Chaperone CFP-10 under Acidic Conditions and Exhibits Membrane-Lysing Activity. <i>Journal of Bacteriology</i> , 2007, 189, 6028-6034.	1.0	272
5	<i>Clostridium difficile</i> toxin expression is inhibited by the novel regulator TcdC. <i>Molecular Microbiology</i> , 2007, 64, 1274-1288.	1.2	213
6	The Disulfide Bonds in Glycoprotein E2 of Hepatitis C Virus Reveal the Tertiary Organization of the Molecule. <i>PLoS Pathogens</i> , 2010, 6, e1000762.	2.1	210
7	AIF promotes chromatinolysis and caspase-independent programmed necrosis by interacting with histone H2AX. <i>EMBO Journal</i> , 2010, 29, 1585-1599.	3.5	197
8	Single-cell deep phenotyping of IgG-secreting cells for high-resolution immune monitoring. <i>Nature Biotechnology</i> , 2017, 35, 977-982.	9.4	193
9	High-throughput single-cell activity-based screening and sequencing of antibodies using droplet microfluidics. <i>Nature Biotechnology</i> , 2020, 38, 715-721.	9.4	163
10	Transglutaminase is essential for IgA nephropathy development acting through IgA receptors. <i>Journal of Experimental Medicine</i> , 2012, 209, 793-806.	4.2	145
11	Full-length extracellular region of the var2CSA variant of PfEMP1 is required for specific, high-affinity binding to CSA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4884-4889.	3.3	137
12	Tethering of HP1 proteins to chromatin is relieved by phosphoacetylation of histone H3. <i>EMBO Reports</i> , 2004, 5, 490-496.	2.0	132
13	Fc γ RIV is a mouse IgE receptor that resembles macrophage Fc γ RI in humans and promotes IgE-induced lung inflammation. <i>Journal of Clinical Investigation</i> , 2008, 118, 3738-3750.	3.9	132
14	The high-affinity human IgG receptor Fc γ RI (CD64) promotes IgG-mediated inflammation, anaphylaxis, and antitumor immunotherapy. <i>Blood</i> , 2013, 121, 1563-1573.	0.6	120
15	A neutralizing monoclonal antibody (mAb A24) directed against the transferrin receptor induces apoptosis of tumor T lymphocytes from ATL patients. <i>Blood</i> , 2004, 103, 1838-1845.	0.6	101
16	Attenuation of Rabies Virulence: Takeover by the Cytoplasmic Domain of Its Envelope Protein. <i>Science Signaling</i> , 2010, 3, ra5.	1.6	100
17	Structural Flexibility of a Conserved Antigenic Region in Hepatitis C Virus Glycoprotein E2 Recognized by Broadly Neutralizing Antibodies. <i>Journal of Virology</i> , 2015, 89, 2170-2181.	1.5	96
18	Cadherin-23, myosin VIIa and harmonin, encoded by Usher syndrome type I genes, form a ternary complex and interact with membrane phospholipids. <i>Human Molecular Genetics</i> , 2010, 19, 3557-3565.	1.4	94

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19	Single-domain antibodies recognize selectively small oligomeric forms of amyloid $A\beta$, prevent $A\beta$ -induced neurotoxicity and inhibit fibril formation. <i>Molecular Immunology</i> , 2009, 46, 695-704.	1.0	87
20	A global benchmark study using affinity-based biosensors. <i>Analytical Biochemistry</i> , 2009, 386, 194-216.	1.1	85
21	A short synthetic peptide inhibits signal transduction, migration and angiogenesis mediated by Tie2 receptor. <i>EMBO Reports</i> , 2004, 5, 262-267.	2.0	81
22	The CymR Regulator in Complex with the Enzyme CysK Controls Cysteine Metabolism in <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2008, 283, 35551-35560.	1.6	81
23	Quality assessment and optimization of purified protein samples: why and how?. <i>Microbial Cell Factories</i> , 2014, 13, 180.	1.9	79
24	IgG subclasses determine pathways of anaphylaxis in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 269-280.e7.	1.5	78
25	Structural Basis for the ABO Blood-Group Dependence of <i>Plasmodium falciparum</i> Rosetting. <i>PLoS Pathogens</i> , 2012, 8, e1002781.	2.1	74
26	Knowledge-based Design of Reagentless Fluorescent Biosensors from Recombinant Antibodies. <i>Journal of Molecular Biology</i> , 2002, 318, 429-442.	2.0	71
27	A Multilaboratory Comparison of Calibration Accuracy and the Performance of External References in Analytical Ultracentrifugation. <i>PLoS ONE</i> , 2015, 10, e0126420.	1.1	71
28	Structural basis of myosin V Rab GTPase-dependent cargo recognition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 20443-20448.	3.3	70
29	The structural basis of Arf effector specificity: the crystal structure of ARF6 in a complex with JIP4. <i>EMBO Journal</i> , 2009, 28, 2835-2845.	3.5	68
30	Structural and Thermodynamic Bases for the Design of Pure Prolactin Receptor Antagonists. <i>Journal of Biological Chemistry</i> , 2007, 282, 33118-33131.	1.6	66
31	Mechanistic Insight into Bunyavirus-Induced Membrane Fusion from Structure-Function Analyses of the Hantavirus Envelope Glycoprotein Gc. <i>PLoS Pathogens</i> , 2016, 12, e1005813.	2.1	66
32	Calcium-Induced Folding and Stabilization of the Intrinsically Disordered RTX Domain of the CyaA Toxin. <i>Biophysical Journal</i> , 2010, 99, 3744-3753.	0.2	64
33	Rabies virus matrix protein interplay with eIF3, new insights into rabies virus pathogenesis. <i>Nucleic Acids Research</i> , 2007, 35, 1522-1532.	6.5	62
34	Identification and Characterization of the Binding Site of the Respiratory Syncytial Virus Phosphoprotein to RNA-Free Nucleoprotein. <i>Journal of Virology</i> , 2015, 89, 3484-3496.	1.5	60
35	Crystal Structure of an Affinity-matured Prolactin Complexed to Its Dimerized Receptor Reveals the Topology of Hormone Binding Site 2. <i>Journal of Biological Chemistry</i> , 2010, 285, 8422-8433.	1.6	59
36	Energetic and Kinetic Contributions of Contact Residues of Antibody D1.3 in the Interaction with Lysozyme. <i>Biochemistry</i> , 1997, 36, 164-172.	1.2	58

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37	A Druggable Pocket at the Nucleocapsid/Phosphoprotein Interaction Site of Human Respiratory Syncytial Virus. <i>Journal of Virology</i> , 2015, 89, 11129-11143.	1.5	56
38	Stable trimerization of recombinant rabies virus glycoprotein ectodomain is required for interaction with the p75NTR receptor. <i>Journal of General Virology</i> , 2005, 86, 2543-2552.	1.3	53
39	Coordinated recruitment of Spir actin nucleators and myosin V motors to Rab11 vesicle membranes. <i>ELife</i> , 2016, 5, .	2.8	53
40	Structure of a <i>Plasmodium falciparum</i> PfEMP1 rosetting domain reveals a role for the N-terminal segment in heparin-mediated rosette inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5243-5248.	3.3	51
41	The FHA-containing protein GarA acts as a phosphorylation-dependent molecular switch in mycobacterial signaling. <i>FEBS Letters</i> , 2009, 583, 301-307.	1.3	46
42	Structural Characterization of the Stem-Stem Dimerization Interface between Prolactin Receptor Chains Complexed with the Natural Hormone. <i>Journal of Molecular Biology</i> , 2010, 404, 112-126.	2.0	45
43	Insights into the Rrf2 repressor family: the structure of CymR, the global cysteine regulator of <i>Bacillus subtilis</i> . <i>FEBS Journal</i> , 2011, 278, 2689-2701.	2.2	45
44	SARS-CoV-2 Nsp3 unique domain SUD interacts with guanine quadruplexes and G4-ligands inhibit this interaction. <i>Nucleic Acids Research</i> , 2021, 49, 7695-7712.	6.5	43
45	Peroxynitrite transforms nerve growth factor into an apoptotic factor for motor neurons. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1632-1644.	1.3	41
46	Several regions of the repeat domain of the <i>Staphylococcus caprae</i> autolysin, AtlC, are involved in fibronectin binding. <i>FEMS Microbiology Letters</i> , 2002, 213, 193-197.	0.7	40
47	The epitope arrangement on flavivirus particles contributes to Mab C10's extraordinary neutralization breadth across Zika and dengue viruses. <i>Cell</i> , 2021, 184, 6052-6066.e18.	13.5	38
48	Pilotin secretin recognition in the type II secretion system of <i>Klebsiella oxytoca</i> . <i>Molecular Microbiology</i> , 2011, 82, 1422-1432.	1.2	37
49	Outer Membrane Targeting of Secretin PulD Protein Relies on Disordered Domain Recognition by a Dedicated Chaperone. <i>Journal of Biological Chemistry</i> , 2011, 286, 38833-38843.	1.6	36
50	SepF is the FtsZ anchor in archaea, with features of an ancestral cell division system. <i>Nature Communications</i> , 2021, 12, 3214.	5.8	35
51	Characterization of the elongosome core PBP2-MreC complex of <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 2011, 82, 68-86.	1.2	34
52	SUN Proteins Belong to a Novel Family of Î ² -(1,3)-Glucan-modifying Enzymes Involved in Fungal Morphogenesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 13387-13396.	1.6	34
53	Structural basis for the increased processivity of D-family DNA polymerases in complex with PCNA. <i>Nature Communications</i> , 2020, 11, 1591.	5.8	34
54	Analysis of SUMOylated proteins using SUMO-traps. <i>Scientific Reports</i> , 2013, 3, 1690.	1.6	32

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55	Conformational Flexibility in the Immunoglobulin-Like Domain of the Hepatitis C Virus Glycoprotein E2. <i>MBio</i> , 2017, 8, .	1.8	31
56	Calcium-dependent disorder-to-order transitions are central to the secretion and folding of the CyaA toxin of <i>Bordetella pertussis</i> , the causative agent of whooping cough. <i>Toxicon</i> , 2018, 149, 37-44.	0.8	29
57	Essential dynamic interdependence of FtsZ and SepF for Z-ring and septum formation in <i>Corynebacterium glutamicum</i> . <i>Nature Communications</i> , 2020, 11, 1641.	5.8	29
58	Binding of the Unorthodox Transcription Activator, Crl, to the Components of the Transcription Machinery. <i>Journal of Biological Chemistry</i> , 2008, 283, 33455-33464.	1.6	28
59	Structural activation of the transcriptional repressor EthR from <i>Mycobacterium tuberculosis</i> by single amino acid change mimicking natural and synthetic ligands. <i>Nucleic Acids Research</i> , 2012, 40, 3018-3030.	6.5	28
60	Structure of the prefusion-locking broadly neutralizing antibody RVC20 bound to the rabies virus glycoprotein. <i>Nature Communications</i> , 2020, 11, 596.	5.8	28
61	The Scc Spirochetal Coiled-Coil Protein Forms Helix-Like Filaments and Binds to Nucleic Acids Generating Nucleoprotein Structures. <i>Journal of Bacteriology</i> , 2006, 188, 469-476.	1.0	24
62	An extracellular <i>Leptospira interrogans</i> leucine-rich repeat protein binds human E-cadherins. <i>Cellular Microbiology</i> , 2019, 21, e12949.	1.1	23
63	The N-terminal Domain of Hepatocyte Growth Factor Inhibits the Angiogenic Behavior of Endothelial Cells Independently from Binding to the c-met Receptor. <i>Journal of Biological Chemistry</i> , 2003, 278, 37400-37408.	1.6	20
64	Diversity and junction residues as hotspots of binding energy in an antibody neutralizing the dengue virus. <i>FEBS Journal</i> , 2006, 273, 34-46.	2.2	19
65	Apparent cooperativity for carbamoylphosphate in <i>Escherichia coli</i> aspartate transcarbamoylase only reflects cooperativity for aspartate. <i>FEBS Journal</i> , 1994, 222, 775-780.	0.2	18
66	Crl Binds to Domain 2 of σ^S and Confers a Competitive Advantage on a Natural <i>rpoS</i> Mutant of <i>Salmonella enterica</i> Serovar Typhi. <i>Journal of Bacteriology</i> , 2010, 192, 6401-6410.	1.0	17
67	Evolution and activation mechanism of the flavivirus class II membrane-fusion machinery. <i>Nature Communications</i> , 2022, 13, .	5.8	17
68	Hydrodynamic characterization of recombinant human fibrinogen species. <i>Thrombosis Research</i> , 2013, 132, e48-e53.	0.8	16
69	Development of a highly specific and sensitive VHH-based sandwich immunoassay for the detection of the SARS-CoV-2 nucleoprotein. <i>Journal of Biological Chemistry</i> , 2022, 298, 101290.	1.6	16
70	The Tip of the Four N-Terminal α -Helices of <i>Clostridium sordellii</i> Lethal Toxin Contains the Interaction Site with Membrane Phosphatidylserine Facilitating Small GTPases Glucosylation. <i>Toxins</i> , 2016, 8, 90.	1.5	15
71	Analysis of the <i>Escherichia coli</i> glucosamine-6-phosphate synthase activity by isothermal titration calorimetry and differential scanning calorimetry. <i>Archives of Biochemistry and Biophysics</i> , 2010, 498, 95-104.	1.4	14
72	Residue 146 regulates prolactin receptor folding, basal activity and ligand-responsiveness: Potential implications in breast tumorigenesis. <i>Molecular and Cellular Endocrinology</i> , 2015, 401, 173-188.	1.6	14

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73	PhosphorylcholineâCarbohydrateâ Protein Conjugates Efficiently Induce Hapten-Specific Antibodies Which Recognize Both <i>Streptococcus pneumoniae</i> and <i>Neisseria meningitidis</i> : A Potential Multitarget Vaccine against Respiratory Infections. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 3916-3919.	2.9	13
74	Energetics of 5-bromo-4-chloro-3-indolyl-Î±-D-mannose binding to the <i>Parkia platycephalase</i> lectin and its use for MAD phasing. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 326-331.	0.7	13
75	Interaction of a Partially Disordered Antisigma Factor with Its Partner, the Signaling Domain of the TonB-Dependent Transporter HasR. <i>PLoS ONE</i> , 2014, 9, e89502.	1.1	13
76	The catalytic domains of <i>Clostridium sordellii</i> lethal toxin and related large clostridial glucosylating toxins specifically recognize the negatively charged phospholipids phosphatidylserine and phosphatidic acid. <i>Cellular Microbiology</i> , 2015, 17, 1477-1493.	1.1	13
77	The Translocation Domain of Botulinum Neurotoxin A Moderates the Propensity of the Catalytic Domain to Interact with Membranes at Acidic pH. <i>PLoS ONE</i> , 2016, 11, e0153401.	1.1	13
78	High-affinity autoreactive plasma cells disseminate through multiple organs in patients with immune thrombocytopenic purpura. <i>Journal of Clinical Investigation</i> , 2022, 132, .	3.9	13
79	Dengue virus NS1 protein conveys pro-inflammatory signals by docking onto high-density lipoproteins. <i>EMBO Reports</i> , 2022, 23, .	2.0	13
80	A multi-laboratory benchmark study of isothermal titration calorimetry (ITC) using Ca ²⁺ and Mg ²⁺ binding to EDTA. <i>European Biophysics Journal</i> , 2021, 50, 429-451.	1.2	12
81	Structural and functional features of Crl proteins and identification of conserved surface residues required for interaction with the RpoS/ÎS subunit of RNA polymerase. <i>Biochemical Journal</i> , 2014, 463, 215-224.	1.7	11
82	Conformational switch of harmonin, a submembrane scaffold protein of the hair cell mechano-electrical transduction machinery. <i>FEBS Letters</i> , 2017, 591, 2299-2310.	1.3	9
83	The stress sigma factor of RNA polymerase RpoS/ÎS is a solvent-exposed open molecule in solution. <i>Biochemical Journal</i> , 2018, 475, 341-354.	1.7	7
84	The Stable Interaction Between Signal Peptidase LepB of <i>Escherichia coli</i> and Nuclease Bacteriocins Promotes Toxin Entry into the Cytoplasm. <i>Journal of Biological Chemistry</i> , 2015, 290, 30783-30796.	1.6	5
85	Macromolecular interactions in vitro, comparing classical and novel approaches. <i>European Biophysics Journal</i> , 2021, 50, 313-330.	1.2	5
86	A Residue Quartet in the Extracellular Domain of the Prolactin Receptor Selectively Controls Mitogen-activated Protein Kinase Signaling. <i>Journal of Biological Chemistry</i> , 2015, 290, 11890-11904.	1.6	4
87	Efficient monitoring of protein ubiquitylation levels using <i>TUBE</i> -based microarrays. <i>FEBS Letters</i> , 2016, 590, 2748-2756.	1.3	4
88	Real-Time Surface Plasmon Resonance (SPR) for the Analysis of Interactions Between SUMO Traps and Mono- or PolySUMO Moieties. <i>Methods in Molecular Biology</i> , 2016, 1475, 99-107.	0.4	2
89	Community-building and promotion of technological excellence in molecular biophysics: the ARBREâMOBIEU network. <i>European Biophysics Journal</i> , 2021, 50, 307-311.	1.2	1