Tom P Monie

List of Publications by Year
in descending order

49 papers	2,632 citations	218677 26 h-index	243625 44 g-index
49 all docs	49 docs citations	49 times ranked	5123 citing authors

#	Article	IF	Citations
1	Inflammasome activation causes dual recruitment of NLRC4 and NLRP3 to the same macromolecular complex. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7403-7408.	7.1	285
2	Salmonella Infection Induces Recruitment of Caspase-8 to the Inflammasome To Modulate IL-1Î² Production. Journal of Immunology, 2013, 191, 5239-5246.	0.8	206
3	A Dimer of the Toll-Like Receptor 4 Cytoplasmic Domain Provides a Specific Scaffold for the Recruitment of Signalling Adaptor Proteins. PLoS ONE, 2007, 2, e788.	2.5	166
4	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: Catalytic receptors. British Journal of Pharmacology, 2019, 176, S247-S296.	5.4	156
5	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Catalytic receptors. British Journal of Pharmacology, 2021, 178, S264-S312.	5.4	148
6	Pathogen Sensing by Nucleotide-binding Oligomerization Domain-containing Protein 2 (NOD2) Is Mediated by Direct Binding to Muramyl Dipeptide and ATP. Journal of Biological Chemistry, 2012, 287, 23057-23067.	3.4	136
7	Elucidation of the MD-2/TLR4 Interface Required for Signaling by Lipid IVa. Journal of Immunology, 2008, 181, 1245-1254.	0.8	134
8	Viral Inhibitory Peptide of TLR4, a Peptide Derived from Vaccinia Protein A46, Specifically Inhibits TLR4 by Directly Targeting MyD88 Adaptor-Like and TRIF-Related Adaptor Molecule. Journal of Immunology, 2010, 185, 4261-4271.	0.8	125
9	A peptide motif in Raver1 mediates splicing repression by interaction with the PTB RRM2 domain. Nature Structural and Molecular Biology, 2006, 13, 839-848.	8.2	92
10	Structural insights into the transcriptional and translational roles of Ebp1. EMBO Journal, 2007, 26, 3936-3944.	7.8	88
11	Structure and RNA Interactions of the N-Terminal RRM Domains of PTB. Structure, 2004, 12, 1631-1643.	3.3	87
12	Activating immunity: lessons from the TLRs and NLRs. Trends in Biochemical Sciences, 2009, 34, 553-561.	7.5	86
13	Allergens as Immunomodulatory Proteins: The Cat Dander Protein Fel d 1 Enhances TLR Activation by Lipid Ligands. Journal of Immunology, 2013, 191, 1529-1535.	0.8	85
14	Insights into the molecular basis of the NOD2 signalling pathway. Open Biology, 2014, 4, 140178.	3.6	85
15	Mice, men and the relatives: cross-species studies underpin innate immunity. Open Biology, 2012, 2, 120015.	3.6	74
16	Conformation of Polypyrimidine Tract Binding Protein in Solution. Structure, 2006, 14, 1021-1027.	3.3	60
17	Caspaseâ€8 functions as a key mediator of inflammation and proâ€ILâ€1Î² processing via both canonical and nonâ€canonical pathways. Immunological Reviews, 2015, 265, 181-193.	6.0	55
18	TRIL, a Functional Component of the TLR4 Signaling Complex, Highly Expressed in Brain. Journal of Immunology, 2009, 183, 3989-3995.	0.8	48

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19	Identification of LukPQ, a novel, equid-adapted leukocidin of Staphylococcus aureus. Scientific Reports, 2017, 7, 40660.	3.3	47
20	International Union of Basic and Clinical Pharmacology. XCVI. Pattern Recognition Receptors in Health and Disease. Pharmacological Reviews, 2015, 67, 462-504.	16.0	41
21	Comparative Genomic and Sequence Analysis Provides Insight into the Molecular Functionality of NOD1 and NOD2. Frontiers in Immunology, 2013, 4, 317.	4.8	38
22	The polypyrimidine tract binding protein is a monomer. Rna, 2005, 11, 1803-1808.	3.5	35
23	NLR activation takes a direct route. Trends in Biochemical Sciences, 2013, 38, 131-139.	7.5	33
24	Structure and regulation of cytoplasmic adapter proteins involved in innate immune signaling. Immunological Reviews, 2009, 227, 161-175.	6.0	31
25	Blau syndrome polymorphisms in NOD2 identify nucleotide hydrolysis and helical domain 1 as signalling regulators. FEBS Letters, 2014, 588, 3382-3389.	2.8	30
26	Intestinal APCs of the endogenous nanomineral pathway fail to express PD-L1 in Crohnâ€™s disease. Scientific Reports, 2016, 6, 26747.	3.3	30
27	CARD9 negatively regulates NLRP3-induced IL-1Î² production on Salmonella infection of macrophages. Nature Communications, 2016, 7, 12874.	12.8	28
28	The immunoglobulin domain of the sodium channel Î²3 subunit contains a surfaceâ€localized disulfide bond that is required for homophilic binding. FASEB Journal, 2013, 27, 568-580.	0.5	27
29	Engagement of Nucleotide-binding Oligomerization Domain-containing Protein 1 (NOD1) by Receptor-interacting Protein 2 (RIP2) Is Insufficient for Signal Transduction. Journal of Biological Chemistry, 2014, 289, 22900-22914.	3.4	25
30	Dynamic phosphorylation of RelA on Ser42 and Ser45 in response to TNFÎ± stimulation regulates DNA binding and transcription. Open Biology, 2016, 6, 160055.	3.6	19
31	Interaction between NOD2 and CARD9 involves the NOD2 NACHT and the linker region between the NOD2 CARDs and NACHT domain. FEBS Letters, 2014, 588, 2830-2836.	2.8	17
32	Ultrasmall silica nanoparticles directly ligate the T cell receptor complex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 285-291.	7.1	17
33	The N-Terminal Region of the Human Autophagy Protein ATG16L1 Contains a Domain That Folds into a Helical Structure Consistent with Formation of a Coiled-Coil. PLoS ONE, 2013, 8, e76237.	2.5	15
34	The Canonical Inflammasome: A Macromolecular Complex Driving Inflammation. Sub-Cellular Biochemistry, 2017, 83, 43-73.	2.4	15
35	Innate Immune Sensors and Gastrointestinal Bacterial Infections. Clinical and Developmental Immunology, 2011, 2011, 1-11.	3.3	14
36	A Novel Mutation in Helical Domain 2 of NOD2 in Sporadic Blau Syndrome. Ocular Immunology and Inflammation, 2018, 26, 292-294.	1.8	9

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37	Cell Swelling and the NLRP3 Inflammasome. Immunity, 2013, 38, 399.	14.3	8
38	Dysfunctional Crohnâ€™s Disease-Associated NOD2 Polymorphisms Cannot be Reliably Predicted on the Basis of RIPK2 Binding or Membrane Association. Frontiers in Immunology, 2015, 6, 521.	4.8	8
39	Computational analysis predicts the Kaposi's sarcomaâ€associated herpesvirus tegument protein ORF63 to be alpha helical. Proteins: Structure, Function and Bioinformatics, 2012, 80, 2063-2070.	2.6	7
40	Polymorphisms at Amino Acid Residues 141 and 154 Influence Conformational Variation in Ovine PrP. BioMed Research International, 2014, 2014, 1-14.	1.9	6
41	Allergens and Activation of the Toll-Like Receptor Response. Methods in Molecular Biology, 2016, 1390, 341-350.	0.9	5
42	Bioinformatic Analysis of Toll-Like Receptor Sequences and Structures. Methods in Molecular Biology, 2009, 517, 69-79.	0.9	4
43	Bioinformatic Analysis of Toll-Like Receptor Sequences and Structures. Methods in Molecular Biology, 2016, 1390, 29-39.	0.9	3
44	The Innate Immune System in Health and Disease. , 2017, , 189-207.		2
45	Pattern recognition receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database. IUPHAR/BPS Guide To Pharmacology CITE, 2019, 2019, .	0.2	2
46	The nucleotide-binding oligomerization domain-containing protein 1 (NOD1) polymorphism S7N does not affect receptor function. BMC Research Notes, 2014, 7, 124.	1.4	0
47	Immune Cells and the Process of Pattern Recognition. , 2017, , 41-82.		0
48	Integrated Innate Immunityâ€"Combining Activation and Effector Functions. , 2017, , 121-169.		0
49	Pattern recognition receptors in GtoPdb v.2021.3. IUPHAR/BPS Guide To Pharmacology CITE, 2021, 2021, .	0.2	0