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List of Publications by Year
in descending order

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47 papers	3,068 citations	218677 26 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	3313 citing authors

#	Article	IF	Citations
1	Physical, cognitive, and mental health impacts of COVID-19 after hospitalisation (PHOSP-COVID): a UK multicentre, prospective cohort study. Lancet Respiratory Medicine,the, 2021, 9, 1275-1287.	10.7	394
2	Familial dementia caused by polymerization of mutant neuroserpin. Nature, 1999, 401, 376-379.	27.8	342
3	Multicentre evaluation of multidisciplinary team meeting agreement on diagnosis in diffuse parenchymal lung disease: a case-cohort study. Lancet Respiratory Medicine,the, 2016, 4, 557-565.	10.7	337
4	Conformational changes and disease â€" serpins, prions and Alzheimer's. Current Opinion in Structural Biology, 1998, 8, 799-809.	5.7	239
5	Conformational Pathology of the Serpins: Themes, Variations, and Therapeutic Strategies. Annual Review of Biochemistry, 2009, 78, 147-176.	11.1	239
6	A novel monoclonal antibody to characterize pathogenic polymers in liver disease associated with Î±₁-antitrypsin deficiency. Hepatology, 2010, 52, 1078-1088.	7.3	138
7	Defining the mechanism of polymerization in the serpinopathies. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17146-17151.	7.1	135
8	Small Molecules Block the Polymerization of Z Î±₁-Antitrypsin and Increase the Clearance of Intracellular Aggregates. Journal of Medicinal Chemistry, 2007, 50, 5357-5363.	6.4	124
9	Title is missing!. Nature, 1999, 401, 376-379.	27.8	113
10	The molecular and cellular pathology of Î±1-antitrypsin deficiency. Trends in Molecular Medicine, 2014, 20, 116-127.	6.7	98
11	Polymers and inflammation: disease mechanisms of the serpinopathies. Journal of Experimental Medicine, 2008, 205, 1529-1534.	8.5	88
12	Update on alpha-1 antitrypsin deficiency: New therapies. Journal of Hepatology, 2016, 65, 413-424.	3.7	66
13	Î±1-Antitrypsin deficiency, chronic obstructive pulmonary disease and the serpinopathies. Clinical Science, 2009, 116, 837-850.	4.3	51
14	hiPSC hepatocyte model demonstrates the role of unfolded protein response and inflammatory networks in Î±1-antitrypsin deficiency. Journal of Hepatology, 2018, 69, 851-860.	3.7	48
15	Three New Alpha1-Antitrypsin Deficiency Variants Help to Define a C-Terminal Region Regulating Conformational Change and Polymerization. PLoS ONE, 2012, 7, e38405.	2.5	43
16	Therapeutic target-site variability in Î±₁-antitrypsin characterized at high resolution. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1492-1497.	0.7	39
17	In Silico Assessment of Potential Druggable Pockets on the Surface of Î±1-Antitrypsin Conformers. PLoS ONE, 2012, 7, e36612.	2.5	39
18	An integrative approach combining ion mobility mass spectrometry, Xâ€ray crystallography, and nuclear magnetic resonance spectroscopy to study the conformational dynamics of Î±₁â€antitrypsin upon ligand binding. Protein Science, 2015, 24, 1301-1312.	7.6	37

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19	Real-world clinical applicability of pathogenicity predictors assessed onSERPINA1mutations in alpha-1-antitrypsin deficiency. Human Mutation, 2018, 39, 1203-1213.	2.5	36
20	The Serpinopathies. Methods in Enzymology, 2011, 501, 421-466.	1.0	35
21	Crystallographic and Cellular Characterisation of Two Mechanisms Stabilising the Native Fold of Î±1-Antitrypsin: Implications for Disease and Drug Design. Journal of Molecular Biology, 2009, 387, 857-868.	4.2	34
22	Nucleation of Î±1-Antichymotrypsin Polymerization. Biochemistry, 2003, 42, 2355-2363.	2.5	33
23	Structural Dynamics Associated with Intermediate Formation in an Archetypal Conformational Disease. Structure, 2012, 20, 504-512.	3.3	33
24	Deficiency Mutations of Alpha-1 Antitrypsin. Effects on Folding, Function, and Polymerization. American Journal of Respiratory Cell and Molecular Biology, 2016, 54, 71-80.	2.9	31
25	Aberrant disulphide bonding contributes to the ER retention of alpha1-antitrypsin deficiency variants. Human Molecular Genetics, 2016, 25, 642-650.	2.9	28
26	Vitamin D (1,25(OH)2D3) induces Î±-1-antitrypsin synthesis by CD4+ T cells, which is required for 1,25(OH)2D3-driven IL-10. Journal of Steroid Biochemistry and Molecular Biology, 2019, 189, 1-9.	2.5	28
27	Hepatobiliary phenotypes of adults with alpha-1 antitrypsin deficiency. Gut, 2022, 71, 415-423.	12.1	28
28	Characterising the association of latency with Î±1-antitrypsin polymerisation using a novel monoclonal antibody. International Journal of Biochemistry and Cell Biology, 2015, 58, 81-91.	2.8	26
29	The structural basis for Z Î± ₁ -antitrypsin polymerization in the liver. Science Advances, 2020, 6, .	10.3	26
30	Reactive centre loop mutants of Î±-1-antitrypsin reveal position-specific effects on intermediate formation along the polymerization pathway. Bioscience Reports, 2013, 33, .	2.4	24
31	Interactions between Nâ€linked glycosylation and polymerisation of neuroserpin within the endoplasmic reticulum. FEBS Journal, 2015, 282, 4565-4579.	4.7	19
32	Deconvolution of ion mobility mass spectrometry arrival time distributions using a genetic algorithm approach: Application to Î±1-antitrypsin peptide binding. International Journal of Mass Spectrometry, 2018, 426, 29-37.	1.5	18
33	Therapeutic targeting of misfolding and conformational change in Î±1-antitrypsin deficiency. Future Medicinal Chemistry, 2014, 6, 1047-1065.	2.3	16
34	Targeting Serpins in High-Throughput and Structure-Based Drug Design. Methods in Enzymology, 2011, 501, 139-175.	1.0	15
35	Reactive centre loop mutants of Î±-1-antitrypsin reveal position-specific effects on intermediate formation along the polymerization pathway. Bioscience Reports, 2013, 33, .	2.4	14
36	An in vitro investigation of the inflammatory response to the strain amplitudes which occur during high frequency oscillation ventilation and conventional mechanical ventilation. Journal of Biomechanics, 2019, 88, 186-189.	2.1	12

#	Article	IF	Citations
37	Use of peripheral neutrophil to lymphocyte ratio and peripheral monocyte levels to predict survival in fibrotic hypersensitivity pneumonitis (fHP): a multicentre retrospective cohort study. BMJ Open Respiratory Research, 2021, 8, e001063.	3.0	8
38	Spontaneous pneumothorax can be associated with TGFBR2 mutation. European Respiratory Journal, 2015, 46, 1832-1835.	6.7	7
39	1H, 15N and 13C backbone resonance assignments of the archetypal serpin Î±1-antitrypsin. Biomolecular NMR Assignments, 2012, 6, 153-156.	0.8	6
40	The Induction of Alpha-1 Antitrypsin by Vitamin D in Human T Cells Is TGF-Î² Dependent: A Proposed Anti-inflammatory Role in Airway Disease. Frontiers in Nutrition, 2021, 8, 667203.	3.7	6
41	Serpinopathies. , 2019, , 6-26.		5
42	Relationship of CT densitometry to lung physiological parameters and health status in alpha-1 antitrypsin deficiency: initial report of a centralised database of the NIHR rare diseases translational research collaborative. BMJ Open, 2020, 10, e036045.	1.9	3
43	Alpha1-Antitrypsin: Structure and Dynamics in Health, Disease and Drug Development. , 2017, , 49-80.		2
44	Familial hypereosinophilia associated with eosinophilic gastrointestinal symptoms in individuals with a missense mutation in CKLFâ€like MARVEL transmembrane domain containing 3. Clinical and Experimental Allergy, 2021, 51, 1501-1504.	2.9	2
45	Surfactant protein C mutations and familial pulmonary fibrosis: stuck in a loop on the scenic route. European Respiratory Journal, 2022, 59, 2102147.	6.7	2
46	Misfolding and Polymerisation of Alpha1-Antitrypsin: Conformational Pathology and Therapeutic Targeting. Respiratory Medicine, 2016, , 31-52.	0.1	1
47	Î±₁-antitrypsin deficiency. , 0, , 47-84.		0