Pia Gattinger

List of Publications by Year
in descending order

32 papers	1,328 citations	516710 16 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	1865 citing authors

#	Article	IF	Citations
1	In Planta Protein Sialylation through Overexpression of the Respective Mammalian Pathway. Journal of Biological Chemistry, 2010, 285, 15923-15930.	3.4	193
2	Improved Virus Neutralization by Plant-produced Anti-HIV Antibodies with a Homogeneous Î²1,4-Galactosylated N-Glycan Profile. Journal of Biological Chemistry, 2009, 284, 20479-20485.	3.4	156
3	SARS-CoV-2 mutations in MHC-I-restricted epitopes evade CD8 ⁺ T cell responses. Science Immunology, 2021, 6, .	11.9	143
4	N-Glycosylation engineering of plants for the biosynthesis of glycoproteins with bisected and branched complex N-glycans. Glycobiology, 2011, 21, 813-823.	2.5	120
5	Molecular Aspects of Allergens and Allergy. Advances in Immunology, 2018, 138, 195-256.	2.2	81
6	Immunological imprint of COVIDâ€19 on human peripheral blood leukocyte populations. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 751-765.	5.7	71
7	Generation of Biologically Active Multi-Sialylated Recombinant Human EPOFc in Plants. PLoS ONE, 2013, 8, e54836.	2.5	66
8	Silencing of SARSâ€CoVâ€2 with modified siRNAâ€peptide dendrimer formulation. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2840-2854.	5.7	65
9	Proteolytic and N-Glycan Processing of Human Î±1-Antitrypsin Expressed in Nicotiana benthamiana Â Â Â Â. Plant Physiology, 2014, 166, 1839-1851.	4.8	55
10	Neutralization of SARSâ€CoVâ€2 requires antibodies against conformational receptorâ€binding domain epitopes. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 230-242.	5.7	45
11	Antibodies in serum of convalescent patients following mild COVIDâ€19 do not always prevent virusâ€receptor binding. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 878-883.	5.7	39
12	Characterization of plants expressing the human Î²1,4-galactosyltrasferase gene. Plant Physiology and Biochemistry, 2015, 92, 39-47.	5.8	32
13	Prevention of allergy by virusâ€like nanoparticles (<scp>VNP</scp>) delivering shielded versions of major allergens in a humanized murine allergy model. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 246-260.	5.7	31
14	Sensitization to grass pollen allergen molecules in a birth cohortâ€”natural Phl p 4 as an early indicator of grass pollen allergy. Journal of Allergy and Clinical Immunology, 2020, 145, 1174-1181.e6.	2.9	30
15	Enhanced SARS-CoV-2 breakthrough infections in patients with hematologic and solid cancers due to Omicron. Cancer Cell, 2022, 40, 444-446.	16.8	28
16	The culprit insect but not severity of allergic reactions to bee and wasp venom can be determined by molecular diagnosis. PLoS ONE, 2018, 13, e0199250.	2.5	27
17	Vaccine based on folded receptor binding domainâ€preS fusion protein with potential to induce sterilizing immunity to SARSâ€CoVâ€2 variants. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2431-2445.	5.7	16
18	Recombinant glycoproteins resembling carbohydrate-specific IgE epitopes from plants, venoms and mites. EBioMedicine, 2019, 39, 33-43.	6.1	14

#	Article	IF	Citations
19	Threeâ€dimensional structure of the wheat Î²â€amylase Tri a 17, a clinically relevant food allergen. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1009-1013.	5.7	14
20	Omicron: A SARSâ€CoVâ€2 variant of real concern. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1616-1620.	5.7	14
21	Determination of IgE and IgG reactivityÂto more than 170 allergen molecules in paper-dried blood spots. Journal of Allergy and Clinical Immunology, 2019, 143, 437-440.	2.9	13
22	Allergen-specific IgE levels and the ability of IgE-allergen complexes to cross-link determine the extent of CD23-mediated T-cell activation. Journal of Allergy and Clinical Immunology, 2020, 145, 958-967.e5.	2.9	11
23	Fluorescent labeling of major honeybee allergens Api m 1 and Api m 2 with quantum dots and the development of a multiplex basophil activation test. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 1753-1756.	5.7	10
24	Glycosylation enhances allergenic activity of major bee venom allergen Api m 1 by adding IgE epitopes. Journal of Allergy and Clinical Immunology, 2021, 147, 1502-1504.e5.	2.9	9
25	Molecular IgE sensitization profiles of urban and rural children in South Africa. Pediatric Allergy and Immunology, 2021, 32, 234-241.	2.6	9
26	The Instability of Dimeric Fc-Fusions Expressed in Plants Can Be Solved by Monomeric Fc Technology. Frontiers in Plant Science, 2021, 12, 671728.	3.6	7
27	Multiprofessional perinatal care in a pregnant patient with acute respiratory distress syndrome due to COVID-19. BMC Pregnancy and Childbirth, 2021, 21, 587.	2.4	7
28	Combined assessment of Sâ€and Nâ€specific <scp>IL</scp>â€2 and <scp>IL</scp>â€13 secretion and <scp>CD69</scp> neoâ€expression for discrimination of postâ€“infection and postâ€vaccination cellular <scp>SARSâ€CoV</scp>â€2â€specific immune response. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 3408-3425.	5.7	7
29	Lack of Induction of RBD-Specific Neutralizing Antibodies despite Repeated Heterologous SARS-CoV-2 Vaccination Leading to Seroconversion and Establishment of T Cell-Specific Memory in a Patient in Remission of Multiple Myeloma. Vaccines, 2022, 10, 374.	4.4	5
30	Characterization of the antibody response to SARSâ€CoVâ€2 in a mildly affected pediatric population. Pediatric Allergy and Immunology, 2022, 33, e13737.	2.6	5
31	Complex IgE sensitization patterns in ragweed allergic patients: Implications for diagnosis and specific immunotherapy. Clinical and Translational Allergy, 2022, 12, .	3.2	2
32	Response to GonzÃ¡lez-PÃ©rez et al. Journal of Investigative Dermatology, 2022, 142, 723-726.	0.7	1