

# Peter Korosec

## List of Publications by Year in descending order

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109  
papers

3,912  
citations

147801

31  
h-index

133252

59  
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112  
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112  
docs citations

112  
times ranked

4588  
citing authors

#	ARTICLE	IF	CITATIONS
1	EAACI Molecular Allergology User's Guide. <i>Pediatric Allergy and Immunology</i> , 2016, 27, 1-250.	2.6	642
2	The clinical utility of basophil activation testing in diagnosis and monitoring of allergic disease. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015, 70, 1393-1405.	5.7	298
3	Heritable risk for severe anaphylaxis associated with increased $\beta$ -tryptase encoding germline copy number at TPSAB1. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 622-632.	2.9	137
4	Mast cell activation test in the diagnosis of allergic disease and anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 485-496.e16.	2.9	119
5	Recombinant allergen-based IgE testing to distinguish bee and wasp allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 1300-1307.e3.	2.9	112
6	Differentiation of epithelial cells in the urinary tract. <i>Cell and Tissue Research</i> , 2005, 320, 259-268.	2.9	99
7	Complement Factors C3a, C4a, and C5a in Chronic Obstructive Pulmonary Disease and Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004, 31, 216-219.	2.9	98
8	Multidrug resistance in small cell lung cancer: Expression of P-glycoprotein, multidrug resistance protein 1 and lung resistance protein in chemo-naïve patients and in relapsed disease. <i>Lung Cancer</i> , 2006, 54, 235-240.	2.0	96
9	Basophil responsiveness in patients with insect sting allergies and negative venom-specific immunoglobulin E and skin prick test results. <i>Clinical and Experimental Allergy</i> , 2009, 39, 1730-1737.	2.9	95
10	let-7b and miR-126 Are Down-Regulated in Tumor Tissue and Correlate with Microvessel Density and Survival Outcomes in Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , 2012, 7, e45577.	2.5	88
11	Low sensitivity of commercially available rApi m 1 for diagnosis of honeybee venom allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 128, 671-673.	2.9	74
12	High sensitivity of basophils predicts side-effects in venom immunotherapy. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2005, 60, 1401-1406.	5.7	72
13	High sensitivity of CAP-FEIA rVes v 5 and rVes v 1 for diagnosis of <i>Vespula</i> venom allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 1406-1408.	2.9	67
14	Basophil response and the induction of a tolerance in venom immunotherapy: a long-term sting challenge study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012, 67, 822-830.	5.7	66
15	Serum diamine oxidase activity as a diagnostic test for histamine intolerance. <i>Wiener Klinische Wochenschrift</i> , 2013, 125, 239-243.	1.9	66
16	Filaggrin loss-of-function mutations are not associated with atopic dermatitis that develops in late childhood or adulthood. <i>British Journal of Dermatology</i> , 2015, 172, 455-461.	1.5	61
17	Immunoglobulin G-dependent changes in basophil allergen threshold sensitivity during birch pollen immunotherapy. <i>Clinical and Experimental Allergy</i> , 2010, 40, 1186-1193.	2.9	57
18	Clinical Routine Utility of Basophil Activation Testing for Diagnosis of Hymenoptera-Allergic Patients with Emphasis on Individuals with Negative Venom-Specific IgE Antibodies. <i>International Archives of Allergy and Immunology</i> , 2013, 161, 363-368.	2.1	56

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19	Basophils, high-affinity IgE receptors, and CCL2 in human anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 140, 750-758.e15.	2.9	56
20	Local and genetic determinants of vascular endothelial growth factor expression in advanced proliferative diabetic retinopathy. <i>Molecular Vision</i> , 2008, 14, 1382-7.	1.1	54
21	Vitreous Levels of Interleukin-8 in Patients With Proliferative Diabetic Retinopathy. <i>American Journal of Ophthalmology</i> , 2007, 143, 175-176.	3.3	51
22	Monitoring honeybee venom immunotherapy in children with the basophil activation test. <i>Pediatric Allergy and Immunology</i> , 2012, 23, 167-172.	2.6	48
23	Basophil Sensitivity in Patients Not Responding to Venom Immunotherapy. <i>International Archives of Allergy and Immunology</i> , 2008, 146, 248-254.	2.1	46
24	<i>BMI1</i> , <i>ALDH1A1</i> , and <i>CD133</i> Transcripts Connect Epithelial-Mesenchymal Transition to Cancer Stem Cells in Lung Carcinoma. <i>Stem Cells International</i> , 2016, 2016, 1-9.	2.5	44
25	Sustained effect of grass pollen subcutaneous immunotherapy on suppression of allergen-specific basophil response; a real-life, nonrandomized controlled study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015, 70, 547-555.	5.7	43
26	Natural killer T cells in pulmonary disorders. <i>Respiratory Medicine</i> , 2011, 105, S20-S25.	2.9	41
27	Hereditary Angioedema Nationwide Study in Slovenia Reveals Four Novel Mutations in SERPING1 Gene. <i>PLoS ONE</i> , 2013, 8, e56712.	2.5	37
28	Immunological and clinical factors associated with adverse systemic reactions during the build-up phase of honeybee venom immunotherapy. <i>Clinical and Experimental Allergy</i> , 2015, 45, 1579-1589.	2.9	37
29	The prognostic value of whole blood <i>SOX2</i> , <i>NANOG</i> and <i>OCT4</i> mRNA expression in advanced small-cell lung cancer. <i>Radiology and Oncology</i> , 2016, 50, 188-196.	1.7	36
30	Expansion of Pulmonary CD8+CD56+ Natural Killer T-Cells in Hypersensitivity Pneumonitis. <i>Chest</i> , 2007, 132, 1291-1297.	0.8	35
31	Important and specific role for basophils in acute allergic reactions. <i>Clinical and Experimental Allergy</i> , 2018, 48, 502-512.	2.9	35
32	Let-7a is differentially expressed in bronchial biopsies of patients with severe asthma. <i>Scientific Reports</i> , 2014, 4, 6103.	3.3	33
33	Association of preoperative vitreous IL-8 and VEGF levels with visual acuity after vitrectomy in proliferative diabetic retinopathy. <i>Acta Ophthalmologica</i> , 2010, 88, e311-6.	1.1	31
34	Complement Factor C5a in Acute Exacerbation of Chronic Obstructive Pulmonary Disease. <i>Scandinavian Journal of Immunology</i> , 2010, 71, 386-391.	2.7	30
35	Clinical relevance of inherited genetic differences in human tryptases. <i>Annals of Allergy, Asthma and Immunology</i> , 2021, 127, 638-647.	1.0	30
36	Hereditary Angioedema Due to C1 Inhibitor Deficiency in Serbia: Two Novel Mutations and Evidence of Genotype-Phenotype Association. <i>PLoS ONE</i> , 2015, 10, e0142174.	2.5	28

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37	Short-term venom immunotherapy induces desensitization of Fc $\mu$ R1-mediated basophil response. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012, 67, 1594-1600.	5.7	27
38	Improved recombinant Api m 1- and Ves v 5-based IgE testing to dissect bee and yellow jacket allergy and their correlation with the severity of the sting reaction. <i>Clinical and Experimental Allergy</i> , 2016, 46, 621-630.	2.9	27
39	The culprit insect but not severity of allergic reactions to bee and wasp venom can be determined by molecular diagnosis. <i>PLoS ONE</i> , 2018, 13, e0199250.	2.5	27
40	Routine KIT p.D816V screening identifies clonal mast cell disease in patients with Hymenoptera allergy regularly missed using baseline tryptase levels alone. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 621-626.e7.	2.9	27
41	Inverse expression of uroplakins and inducible nitric oxide synthase in the urothelium of patients with bladder outlet obstruction. <i>BJU International</i> , 2003, 91, 507-512.	2.5	26
42	Airway angiogenesis in patients with rhinitis and controlled asthma. <i>Clinical and Experimental Allergy</i> , 2009, 39, 354-360.	2.9	24
43	Asthma Treatment Outcome in Children Is Associated with Vascular Endothelial Growth Factor A (VEGFA) Polymorphisms. <i>Molecular Diagnosis and Therapy</i> , 2012, 16, 173-180.	3.8	24
44	Clinical and immunological differences between asymptomatic HDM-sensitized and HDM-allergic rhinitis patients. <i>Clinical and Experimental Allergy</i> , 2019, 49, 808-818.	2.9	24
45	Diagnostic value of the basophil activation test in evaluating Hymenoptera venom sensitization. <i>Wiener Klinische Wochenschrift</i> , 2009, 121, 344-348.	1.9	23
46	Basophil Responsiveness and Clinical Picture of Acetylsalicylic Acid Intolerance. <i>International Archives of Allergy and Immunology</i> , 2011, 155, 257-262.	2.1	23
47	Deficiency of pulmonary V $\beta$ 24 V $\beta$ 11 natural killer T cells in corticosteroid-naïve sarcoidosis patients. <i>Respiratory Medicine</i> , 2010, 104, 571-577.	2.9	22
48	Association of ORMDL3, STAT6 and TBXA2R gene polymorphisms with asthma. <i>International Journal of Immunogenetics</i> , 2012, 39, 20-25.	1.8	22
49	SPINK5 is associated with early-onset and CHI3L1 with late-onset atopic dermatitis. <i>International Journal of Immunogenetics</i> , 2017, 44, 212-218.	1.8	21
50	Early cellular and ultrastructural response of the mouse urinary bladder urothelium to ischemia. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2000, 436, 377-383.	2.8	20
51	The Relevance of Basophil Allergen Sensitivity Testing to Distinguish between Severe and Mild Peanut-Allergic Children. <i>International Archives of Allergy and Immunology</i> , 2013, 162, 310-317.	2.1	19
52	Chemokines during anaphylaxis: the importance of CCL2 and CCL2-dependent chemotactic activity for basophils. <i>Clinical and Translational Allergy</i> , 2020, 10, 63.	3.2	19
53	Wasp venom is appropriate for immunotherapy of patients with allergic reaction to the European hornet sting. <i>Croatian Medical Journal</i> , 2002, 43, 25-7.	0.7	19
54	Asthma treatment outcome in adults is associated with rs9910408 in TBX21 gene. <i>Scientific Reports</i> , 2013, 3, 2915.	3.3	18

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55	Carbohydrate epitopes as a cause of cross-reactivity in patients allergic to Hymenoptera venom. <i>Wiener Klinische Wochenschrift</i> , 2009, 121, 349-352.	1.9	17
56	Importance of basophil activation testing in insect venom allergy. <i>Allergy, Asthma and Clinical Immunology</i> , 2009, 5, 11.	2.0	17
57	Expressions of Topoisomerase III $\pm$ and BCRP in Metastatic Cells are Associated with Overall Survival in Small Cell Lung Cancer Patients. <i>Pathology and Oncology Research</i> , 2011, 17, 691-696.	1.9	15
58	Reply. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 818-819.	2.9	15
59	Multiomics Data Triangulation for Asthma Candidate Biomarkers and Precision Medicine. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 392-409.	2.0	15
60	Airway Angiogenesis in Stable and Exacerbated Chronic Obstructive Pulmonary Disease. <i>Scandinavian Journal of Immunology</i> , 2012, 75, 109-114.	2.7	14
61	Prognostic value of cytokeratin-7 mRNA expression in peripheral whole blood of advanced lung adenocarcinoma patients. <i>Cellular Oncology (Dordrecht)</i> , 2015, 38, 387-395.	4.4	14
62	Recombinant glycoproteins resembling carbohydrate-specific IgE epitopes from plants, venoms and mites. <i>EBioMedicine</i> , 2019, 39, 33-43.	6.1	14
63	Hymenoptera Venom Immunotherapy: Immune Mechanisms of Induced Protection and Tolerance. <i>Cells</i> , 2021, 10, 1575.	4.1	14
64	Down-Regulation of Fc $\mu$ RI-Mediated CD63 Basophil Response during Short-Term VIT Determined Venom-Nonspecific Desensitization. <i>PLoS ONE</i> , 2014, 9, e94762.	2.5	13
65	Elevated eosinophils, IL5 and IL8 in induced sputum in asthma patients with accelerated FEV1 decline. <i>Respiratory Medicine</i> , 2020, 162, 105875.	2.9	13
66	Biomarkers of the Severity of Honeybee Sting Reactions and the Severity and Threshold of Systemic Adverse Events During Immunotherapy. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 3157-3163.e5.	3.8	13
67	The functional promoter <i>F12</i> $\Delta$ 46C/T variant predicts the asymptomatic phenotype of C1 $\alpha$ INH $\Delta$ EA. <i>Clinical and Experimental Allergy</i> , 2019, 49, 1520-1522.	2.9	12
68	A very low number of circulating basophils is predictive of a poor response to omalizumab in chronic spontaneous urticaria. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1254-1257.	5.7	12
69	A polymorphism in <i>ORMDL3</i> is associated not only with asthma without rhinitis but also with chronic obstructive pulmonary disease. <i>Journal of Investigational Allergology and Clinical Immunology</i> , 2013, 23, 256-61.	1.3	12
70	House Dust Mite-Specific Immunotherapy Alters the Basal Expression of T Regulatory and Fc $\mu$ RI Pathway Genes. <i>International Archives of Allergy and Immunology</i> , 2012, 159, 287-296.	2.1	11
71	Rhinitis symptoms caused by grass pollen are associated with elevated basophile allergen sensitivity and a larger grass $\alpha$ -specific immunoglobulin E fraction. <i>Clinical and Experimental Allergy</i> , 2012, 42, 49-57.	2.9	11
72	Venom immunotherapy: clinical efficacy, safety and contraindications. <i>Expert Review of Clinical Immunology</i> , 2015, 11, 877-884.	3.0	11

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73	Hereditary angioedema due to C1-inhibitor deficiency in Macedonia: clinical characteristics, novel <i>SERPING1</i> mutations and genetic factors modifying the clinical phenotype. <i>Annals of Medicine</i> , 2018, 50, 269-276.	3.8	11
74	Worldwide perspectives on venom allergy. <i>World Allergy Organization Journal</i> , 2019, 12, 100067.	3.5	11
75	The specificity of tests for anti-Î²-lactam IgE antibodies declines progressively with increase of total serum IgE. <i>Wiener Klinische Wochenschrift</i> , 2009, 121, 353-356.	1.9	10
76	Systemic and airway oxidative stress in competitive swimmers. <i>Respiratory Medicine</i> , 2018, 137, 129-133.	2.9	10
77	Limited ability of recombinant Hymenoptera venom allergens to resolve IgE double sensitization. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 2118-2120.	3.8	10
78	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. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1753-1756.	5.7	10
79	Correlations between vitreous cytokine levels and inflammatory cells in fibrovascular membranes of patients with proliferative diabetic retinopathy. <i>Molecular Vision</i> , 2020, 26, 472-482.	1.1	10
80	Mitochondrial Localization of Nitric Oxide Synthase in Partially Differentiated Urothelial Cells of Urinary Bladder Lesions. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2008, 16, 239-245.	1.2	9
81	Aspirin-Induced COX-2 Overexpression in Monocytes of Aspirin-Intolerant Patients. <i>International Archives of Allergy and Immunology</i> , 2009, 149, 378-384.	2.1	9
82	Identification and characterization of major cat allergen Fel d 1 mimotopes on filamentous phage carriers. <i>Molecular Immunology</i> , 2016, 71, 176-183.	2.2	9
83	Asthma MicroRNA Regulome Development Using Validated miRNA-Target Interaction Visualization. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 607-615.	2.0	9
84	Identification of bee venom Api m 1 IgE epitopes and characterization of corresponding mimotopes. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 791-794.e5.	2.9	9
85	Glycosylation enhances allergenic activity of major bee venom allergen Api m 1 by adding IgE epitopes. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 1502-1504.e5.	2.9	9
86	Gene Expression Levels of the Prolyl Hydroxylase Domain Proteins PHD1 and PHD2 but Not PHD3 Are Decreased in Primary Tumours and Correlate with Poor Prognosis of Patients with Surgically Resected Non-Small-Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 2309.	3.7	9
87	The influence of antimicrobial therapy on the sensitivity of Legionella PCR. <i>Scandinavian Journal of Infectious Diseases</i> , 2006, 38, 925-928.	1.5	8
88	C5a-induced in vitro basophil activation in patients with chronic urticaria: a pilot study. <i>Wiener Klinische Wochenschrift</i> , 2009, 121, 339-343.	1.9	8
89	Acetylsalicylic acid-triggered 15-HETE generation by peripheral leukocytes for identifying ASA sensitivity. <i>Respiratory Medicine</i> , 2011, 105, S81-S83.	2.9	8
90	Polymorphisms and haplotypes of the chromosome locus 17q12-17q21.1 contribute to adult asthma susceptibility in Slovenian patients. <i>Human Immunology</i> , 2016, 77, 527-534.	2.4	8

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91	Routine clinical utility of honeybee venom allergen components. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 2121-2123.e1.	3.8	8
92	Predicting side-effects in venom immunotherapy by basophil activation: basophil sensitivity vs maximal response. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2007, 62, 81-81.	5.7	6
93	Lung Tissue and Tumour-infiltrating T Lymphocytes in Patients with Non-small Cell Lung Carcinoma and Chronic Obstructive Pulmonary Disease (COPD): Moderate/Severe Versus Mild Stage of COPD. <i>Scandinavian Journal of Immunology</i> , 2007, 66, 694-702.	2.7	6
94	Bronchial thermoplasty induces immunomodulation with a significant increase in pulmonary CD4 + 25 + regulatory T cells. <i>Annals of Allergy, Asthma and Immunology</i> , 2017, 119, 289-290.	1.0	6
95	Basophil activation testing in diagnosis and monitoring of allergic disease – an overview. <i>Allergo Journal International</i> , 2016, 25, 106-113.	2.0	5
96	High BMI1 mRNA expression in peripheral whole blood is associated with favorable prognosis in advanced non-small cell lung cancer patients. <i>Oncotarget</i> , 2017, 8, 25384-25394.	1.8	5
97	8-isoprostane as Oxidative Stress Marker in Coal Mine Workers. <i>Biomedical and Environmental Sciences</i> , 2016, 29, 589-593.	0.2	4
98	Disposal of iNKT cell deficiency and an increase in expression of SLAM signaling factors characterizes sarcoidosis remission: a 4-year longitudinal study. <i>Respiratory Research</i> , 2014, 15, 91.	3.6	3
99	Clinical, serological and basophil response to a wasp sting in patients with European hornet sting anaphylaxis. <i>Clinical and Experimental Allergy</i> , 2021, 51, 1641-1644.	2.9	3
100	High Non-specific T Lymphocyte Response to the Adjuvanted H1N1 Vaccine in Comparison with the H1N1/H3N2/Brisbane Vaccine without Adjuvant. <i>Scandinavian Journal of Immunology</i> , 2012, 76, 497-504.	2.7	2
101	Over-reliance on assays for specific IgE in diagnostics of penicillin allergy?. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2013, 68, 1626-1627.	5.7	2
102	Frequent life-threatening laryngeal attacks in two Croatian families with hereditary angioedema due to C1 inhibitor deficiency harbouring a novel frameshift mutation in SERPING1. <i>Annals of Medicine</i> , 2016, 48, 485-491.	3.8	2
103	Distinct Contributory Factors Determine Basophil-Allergen Sensitivity in Grass Pollen Rhinitis and in Anaphylactic Wasp Venom Allergy. <i>International Archives of Allergy and Immunology</i> , 2016, 171, 89-101.	2.1	2
104	Methodological and diagnostic relevance of IgEs to recombinant allergens Api m 1 and Ves v 5 determined by the multiplex test ImmunoCAP ISAC. <i>Clinical and Experimental Allergy</i> , 2020, 50, 981-983.	2.9	2
105	Asthma treatment response to inhaled corticosteroids is associated with variants in VEGFA gene. <i>Gene</i> , 2021, 783, 145573.	2.2	2
106	Hymenoptera-Induced Hypersensitivity Reactions and Anaphylaxis. , 2011, , 209-222.		2
107	Omalizumab in chronic urticaria: our experience and literature review. <i>Acta Dermatovenerologica Alpina, Panonica Et Adriatica</i> , 2014, 23, 57-61.	0.1	2
108	Art v 1 IgE epitopes of patients and humanized mice are conformational. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 150, 920-930.	2.9	2

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109	Basophil activation testing in diagnosis and monitoring of allergic disease – an overview. Allergo Journal, 2016, 25, 26-33.	0.1	1