

# Leszek Kalinowski

## List of Publications by Year in descending order

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112  
papers

3,230  
citations

201674

27  
h-index

175258

52  
g-index

115  
all docs

115  
docs citations

115  
times ranked

4544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Race-Specific Differences in Endothelial Function. <i>Circulation</i> , 2004, 109, 2511-2517.	1.6	303
2	Chemokines and cytokines network in the pathogenesis of the inflammatory skin diseases: atopic dermatitis, psoriasis and skin mastocytosis. <i>Postępy Dermatologii i Alergologii</i> , 2014, 2, 84-91.	0.9	239
3	Third-Generation $\hat{2}$ -Blockers Stimulate Nitric Oxide Release From Endothelial Cells Through ATP Efflux. <i>Circulation</i> , 2003, 107, 2747-2752.	1.6	222
4	Nebivolol Reduces Nitroxidative Stress and Restores Nitric Oxide Bioavailability in Endothelium of Black Americans. <i>Circulation</i> , 2005, 112, 3795-3801.	1.6	182
5	A systematic review and meta-analysis of the effect of statins on plasma asymmetric dimethylarginine concentrations. <i>Scientific Reports</i> , 2015, 5, 9902.	3.3	133
6	Increased Nitric Oxide Bioavailability in Endothelial Cells Contributes to the Pleiotropic Effect of Cerivastatin. <i>Circulation</i> , 2002, 105, 933-938.	1.6	132
7	Angiotensin II AT <sub>1</sub> Receptor Antagonists Inhibit Platelet Adhesion and Aggregation by Nitric Oxide Release. <i>Hypertension</i> , 2002, 40, 521-527.	2.7	128
8	Gp91phox-containing NAD(P)H oxidase increases superoxide formation by doxorubicin and NADPH. <i>Free Radical Biology and Medicine</i> , 2007, 42, 466-473.	2.9	89
9	Analysis of angiogenesis induced by local IGF-1 expression after myocardial infarction using microSPECT-CT imaging. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 1071-1079.	1.9	62
10	miR-429 regulates the transition between Hypoxia-Inducible Factor (HIF)1A and HIF3A expression in human endothelial cells. <i>Scientific Reports</i> , 2016, 6, 22775.	3.3	55
11	Genetic and Epigenetic Aspects of Atopic Dermatitis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6484.	4.1	54
12	Cadmium, arsenic, selenium and iron Implications for tumor progression in breast cancer. <i>Environmental Toxicology and Pharmacology</i> , 2017, 53, 151-157.	4.0	54
13	Synergistic Antihypertensive Effects of Nifedipine on Endothelium. <i>Hypertension</i> , 2001, 37, 34-39.	2.7	52
14	Nitric oxide as a second messenger in parathyroid hormone-related protein signaling. <i>Journal of Endocrinology</i> , 2001, 170, 433-440.	2.6	50
15	eNOS expression and NO release during hypoxia is inhibited by miR-200b in human endothelial cells. <i>Angiogenesis</i> , 2018, 21, 711-724.	7.2	50
16	Altered circadian genes expression in breast cancer tissue according to the clinical characteristics. <i>PLoS ONE</i> , 2018, 13, e0199622.	2.5	49
17	Endothelial Dysfunction Driven by Hypoxia The Influence of Oxygen Deficiency on NO Bioavailability. <i>Biomolecules</i> , 2021, 11, 982.	4.0	46
18	Nitric Oxide Production and Endothelium-Dependent Vasorelaxation Ameliorated by N <sup>1</sup> -Methylnicotinamide in Human Blood Vessels. <i>Hypertension</i> , 2012, 59, 825-832.	2.7	41

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19	Posttranscriptional and transcriptional regulation of endothelial nitric-oxide synthase during hypoxia: the role of microRNAs. <i>Cellular and Molecular Biology Letters</i> , 2016, 21, 16.	7.0	40
20	Targeted imaging of hypoxia-induced integrin activation in myocardium early after infarction. <i>Journal of Applied Physiology</i> , 2008, 104, 1504-1512.	2.5	39
21	Molecular Background, Clinical Features and Management of Pediatric Mastocytosis: Status 2021. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2586.	4.1	38
22	Nitric Oxide-Dependent Pathways as Critical Factors in the Consequences and Recovery after Brain Ischemic Hypoxia. <i>Biomolecules</i> , 2021, 11, 1097.	4.0	37
23	Serial Noninvasive Targeted Imaging of Peripheral Angiogenesis: Validation and Application of a Semiautomated Quantitative Approach. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1356-1363.	5.0	36
24	Is mycobacterial heat shock protein 16kDa, a marker of the dormant stage of <i>Mycobacterium tuberculosis</i> , a sarcoid antigen?. <i>Human Immunology</i> , 2013, 74, 45-51.	2.4	35
25	The Brain-Skin Axis in Psoriasis: Psychological, Psychiatric, Hormonal, and Dermatological Aspects. <i>International Journal of Molecular Sciences</i> , 2022, 23, 669.	4.1	34
26	The role of regulatory T cells and genes involved in their differentiation in pathogenesis of selected inflammatory and neoplastic skin diseases. Part II: The Treg role in skin diseases pathogenesis. <i>Postepy Dermatologii i Alergologii</i> , 2017, 5, 405-417.	0.9	32
27	S-nitroso Human Serum Albumin Attenuates Ischemia/Reperfusion Injury After Cardioplegic Arrest in Isolated Rabbit Hearts. <i>Journal of Heart and Lung Transplantation</i> , 2005, 24, 2226-2234.	0.6	30
28	Multimodal imaging of the receptor for advanced glycation end-products with molecularly targeted nanoparticles. <i>Theranostics</i> , 2018, 8, 5012-5024.	10.0	29
29	Pathogenesis of psoriasis in the "omicron" era. Part II. Genetic, genomic and epigenetic changes in psoriasis. <i>Postepy Dermatologii i Alergologii</i> , 2020, 37, 283-298.	0.9	29
30	Trimethylamine N-oxide and the reverse cholesterol transport in cardiovascular disease: a cross-sectional study. <i>Scientific Reports</i> , 2020, 10, 18675.	3.3	29
31	Pathogenesis of psoriasis in the "omicron" era. Part I. Epidemiology, clinical manifestation, immunological and neuroendocrine disturbances. <i>Postepy Dermatologii i Alergologii</i> , 2020, 37, 135-153.	0.9	28
32	Genome-wide mRNA profiling identifies <i>RCAN1</i> and <i>GADD45A</i> as regulators of the transitional switch from survival to apoptosis during ER stress. <i>FEBS Journal</i> , 2020, 287, 2923-2947.	4.7	27
33	Novel Options for the Pharmacological Treatment of Chronic Anal Fissure " Role of Botulin Toxin. <i>Current Clinical Pharmacology</i> , 2009, 4, 47-52.	0.6	26
34	Pathogenesis of psoriasis in the "omicron" era. Part III. Metabolic disorders, metabolomics, nutrigenomics in psoriasis in psoriasis. <i>Postepy Dermatologii i Alergologii</i> , 2020, 37, 452-467.	0.9	26
35	Mastocytosis in children and adults: clinical disease heterogeneity. <i>Archives of Medical Science</i> , 2012, 8, 533-41.	0.9	26
36	Cerivastatin potentiates nitric oxide release and enos expression through inhibition of isoprenoids synthesis. <i>Journal of Physiology and Pharmacology</i> , 2002, 53, 585-95.	1.1	26

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37	Interleukin-31 Polymorphisms and Serum IL-31 Level in Patients with Mastocytosis: Correlation with Clinical Presentation and Pruritus. <i>Acta Dermato-Venereologica</i> , 2017, 97, 47-53.	1.3	24
38	Organization of BBMRI.pl: The Polish Biobanking Network. <i>Biopreservation and Biobanking</i> , 2017, 15, 264-269.	1.0	23
39	Mediator-Related Symptoms and Anaphylaxis in Children with Mastocytosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2684.	4.1	23
40	Cicletanine Stimulates Nitric Oxide Release and Scavenges Superoxide in Endothelial Cells. <i>Journal of Cardiovascular Pharmacology</i> , 2001, 37, 713-724.	1.9	22
41	Diagnosis of Mastocytosis in Children and Adults in Daily Clinical Practice. <i>Acta Dermato-Venereologica</i> , 2016, 96, 292-297.	1.3	20
42	The role of regulatory T cells and genes involved in their differentiation in pathogenesis of selected inflammatory and neoplastic skin diseases. Part I: Treg properties and functions. <i>Postępy Dermatologii i Alergologii</i> , 2017, 4, 285-294.	0.9	20
43	Genetic and pharmacologic proteasome augmentation ameliorates Alzheimer's-like pathology in mouse and fly APP overexpression models. <i>Science Advances</i> , 2022, 8, .	10.3	20
44	Cyclic GMP-dependent relaxation of isolated rat renal glomeruli induced by extracellular ATP. <i>Journal of Physiology</i> , 2001, 530, 123-130.	2.9	18
45	Synthesis, Chemical Characterization and Multiscale Biological Evaluation of a Dimeric-cRGD Peptide for Targeted Imaging of $\alpha_5\beta_3$ Integrin Activity. <i>Scientific Reports</i> , 2017, 7, 3185.	3.3	18
46	NF-kappa B Signaling-Related Signatures Are Connected with the Mesenchymal Phenotype of Circulating Tumor Cells in Non-Metastatic Breast Cancer. <i>Cancers</i> , 2019, 11, 1961.	3.7	18
47	Circadian Gene Polymorphisms Associated with Breast Cancer Susceptibility. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5704.	4.1	17
48	The role of serum tryptase in the diagnosis and monitoring of pediatric mastocytosis: a single-center experience. <i>Postępy Dermatologii i Alergologii</i> , 2017, 4, 306-312.	0.9	16
49	Mitochondrial DNA copy number and trimethylamine levels in the blood: New insights on cardiovascular disease biomarkers. <i>FASEB Journal</i> , 2021, 35, e21694.	0.5	16
50	Activity profiling of aminopeptidases in cell lysates using a fluorogenic substrate library. <i>Biochimie</i> , 2016, 122, 31-37.	2.6	15
51	Reversal of MK-801-Induced Disruptions in Social Interactions and Working Memory with Simultaneous Administration of LY487379 and VU152100 in Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2781.	4.1	14
52	Simultaneous activation of muscarinic and GABAB receptors as a bidirectional target for novel antipsychotics. <i>Behavioural Brain Research</i> , 2019, 359, 671-685.	2.2	14
53	Analysis of the Potential Genetic Links between Psoriasis and Cardiovascular Risk Factors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9063.	4.1	14
54	New Approach to Paediatric Mastocytosis: Implications of KIT D816V Mutation Detection in Peripheral Blood. <i>Acta Dermato-Venereologica</i> , 2020, 100, adv00149.	1.3	14

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55	Multispectral Imaging Using Fluorescent Properties of Indocyanine Green and Methylene Blue in Colorectal Surgery – Initial Experience. <i>Journal of Clinical Medicine</i> , 2022, 11, 368.	2.4	14
56	High prevalence of carriers of variant c.1528G>C of HADHA gene causing long-chain 3-hydroxyacyl-CoA dehydrogenase deficiency (LCHADD) in the population of adult Kashubians from North Poland. <i>PLoS ONE</i> , 2017, 12, e0187365.	2.5	13
57	Mast cells in mastocytosis and allergy – Important player in metabolic and immunological homeostasis. <i>Advances in Medical Sciences</i> , 2019, 64, 124-130.	2.1	13
58	Quantitative imaging of the receptor for advanced glycation end-products in prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2562-2576.	6.4	13
59	Involvement of Rho-kinase in P2Y-receptor-mediated contraction of renal glomeruli. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 855-859.	2.1	12
60	Molecular Imaging and Nanotechnology – Emerging Tools in Diagnostics and Therapy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2658.	4.1	12
61	The significance of Toll-like receptor (TLR) 2 and 9 gene polymorphisms in psoriasis. <i>Postępy Dermatologii i Alergologii</i> , 2017, 1, 85-86.	0.9	11
62	Simultaneous activation of mGlu2 and muscarinic receptors reverses MK-801-induced cognitive decline in rodents. <i>Neuropharmacology</i> , 2020, 174, 107866.	4.1	11
63	Nitric Oxide Measurements during Endotoxemia. <i>Clinical Chemistry</i> , 2001, 47, 1068-1074.	3.2	10
64	Evaluation of a dimeric-cRGD peptide for targeted PET-CT imaging of peripheral angiogenesis in diabetic mice. <i>Scientific Reports</i> , 2018, 8, 5401.	3.3	10
65	A different methylation profile of circadian genes promoter in breast cancer patients according to clinicopathological features. <i>Chronobiology International</i> , 2019, 36, 1103-1114.	2.0	10
66	Results from a Genome-Wide Association Study (GWAS) in Mastocytosis Reveal New Gene Polymorphisms Associated with WHO Subgroups. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5506.	4.1	10
67	Modification of DNA structure by reactive nitrogen species as a result of 2-methoxyestradiol – induced neuronal nitric oxide synthase uncoupling in metastatic osteosarcoma cells. <i>Redox Biology</i> , 2020, 32, 101522.	9.0	10
68	Risk factors for anaphylaxis in patients with mastocytosis. <i>Polish Archives of Internal Medicine</i> , 2015, 125, 46-53.	0.4	10
69	Quality Control of Bacterial Extracellular Vesicles with Total Protein Content Assay, Nanoparticles Tracking Analysis, and Capillary Electrophoresis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4347.	4.1	10
70	The Role of TRAF4 and B3GAT1 Gene Expression in the Food Hypersensitivity and Insect Venom Allergy in Mastocytosis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2016, 64, 497-503.	2.3	9
71	Chronic Plaque Psoriasis in Poland: Disease Severity, Prevalence of Comorbidities, and Quality of Life. <i>Journal of Clinical Medicine</i> , 2022, 11, 1254.	2.4	9
72	Cicletanine New insights into its pharmacological actions. <i>General Pharmacology</i> , 1999, 33, 7-16.	0.7	8

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73	“308 G/A TNF- $\alpha$ gene polymorphism influences the course of basal cell carcinoma in a Polish population. Archives of Medical Science, 2015, 3, 599-604.	0.9	8
74	The role of regulatory T cells and genes involved in their differentiation in pathogenesis of selected inflammatory and neoplastic skin diseases. Part III: Polymorphisms of genes involved in Tregs <sup>TM</sup> activation and function. Postepy Dermatologii i Alergologii, 2017, 34, 517-525.	0.9	8
75	Imaging the Landmarks of Vascular Recovery. Theranostics, 2020, 10, 1733-1745.	10.0	8
76	A Challenge for Allergologist: Application of Allergy Diagnostic Methods in Mast Cell Disorders. International Journal of Molecular Sciences, 2021, 22, 1454.	4.1	8
77	Serotonergic“Muscarinic Interaction within the Prefrontal Cortex as a Novel Target to Reverse Schizophrenia-Related Cognitive Symptoms. International Journal of Molecular Sciences, 2021, 22, 8612.	4.1	8
78	The Effects of Vitamin D on the Expression of IL-33 and Its Receptor ST2 in Skin Cells; Potential Implication for Psoriasis. International Journal of Molecular Sciences, 2021, 22, 12907.	4.1	8
79	The Analysis of a Genome-Wide Association Study (GWAS) of Overweight and Obesity in Psoriasis. International Journal of Molecular Sciences, 2022, 23, 7396.	4.1	8
80	Modulation by low sodium intake of glomerular response to cicletanine and atrial natriuretic factor. British Journal of Pharmacology, 1997, 121, 635-642.	5.4	7
81	Effect of chronic treatment with the vasopeptidase inhibitor AVE 7688 and ramipril on endothelial function in atherogenic diet rabbits. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2003, 4, 191-196.	1.7	7
82	The impact of the Polish mass breast cancer screening program on prognosis in the Pomeranian Province. Archives of Medical Science, 2017, 2, 441-447.	0.9	7
83	Regulation of mitochondrial dynamics in 2-methoxyestradiol-mediated osteosarcoma cell death. Scientific Reports, 2021, 11, 1616.	3.3	7
84	Comprehensive Review of Fluorescence Applications in Gynecology. Journal of Clinical Medicine, 2021, 10, 4387.	2.4	7
85	Significance of interleukin-31 (IL-31) gene polymorphisms and IL-31 serum level in psoriasis in correlation with pruritus. Postepy Dermatologii i Alergologii, 2021, 38, 657-664.	0.9	7
86	The role of P2Y-receptors in the regulation of glomerular volume. Medical Science Monitor, 2001, 7, 635-340.	1.1	7
87	Peroxynitrite in Sarcoidosis: Relation to Mycobacterium Stationary Phase. Advances in Experimental Medicine and Biology, 2015, 866, 41-49.	1.6	6
88	The Possible Role of Gene Variant Coding Nonfunctional Toll-Like Receptor 2 in the Pathogenesis of Mastocytosis. International Archives of Allergy and Immunology, 2018, 177, 80-86.	2.1	6
89	Gender-Related Differences in Trimethylamine and Oxidative Blood Biomarkers in Cardiovascular Disease Patients. Biomedicines, 2020, 8, 238.	3.2	6
90	Epigenetic Changes in Neoplastic Mast Cells and Potential Impact in Mastocytosis. International Journal of Molecular Sciences, 2021, 22, 2964.	4.1	6

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91	P1158 Synergistic stimulation of nitric oxide release from human endothelial cells with amlodipine and atorvastatin. <i>European Heart Journal</i> , 2003, 24, 214.	2.2	6
92	Nitric Oxide-Dependent Mechanisms Underlying MK-801- or Scopolamine-Induced Memory Dysfunction in Animals: Mechanistic Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12282.	4.1	6
93	Procognitive activity of nitric oxide inhibitors and donors in animal models. <i>Nitric Oxide - Biology and Chemistry</i> , 2022, 119, 29-40.	2.7	6
94	Inhibition of cGMP-Phosphodiesterase Restores the Glomerular Effects of Atrial Natriuretic Factor in Low Sodium Diet Rats. <i>Kidney and Blood Pressure Research</i> , 1995, 18, 254-266.	2.0	5
95	Molecularly targeted nanoparticles: an emerging tool for evaluation of expression of the receptor for advanced glycation end products in a murine model of peripheral artery disease. <i>Cellular and Molecular Biology Letters</i> , 2021, 26, 10.	7.0	5
96	Elucidating structure-function relationships from molecule-to-cell-to-tissue: from research modalities to clinical realities. <i>Journal of Physiology and Pharmacology</i> , 2009, 60 Suppl 4, 83-93.	1.1	5
97	Methylene Blue Near-Infrared Fluorescence Imaging in Breast Cancer Sentinel Node Biopsy. <i>Cancers</i> , 2022, 14, 1817.	3.7	5
98	Higher platelet counts correlate to tumour progression and can be induced by intratumoural stroma in non-metastatic breast carcinomas. <i>British Journal of Cancer</i> , 2022, 126, 464-471.	6.4	5
99	Modulation of dermal equivalent of hypothalamuspituitary- adrenal axis in mastocytosis. <i>Postepy Dermatologii I Alergologii</i> , 2021, 38, 461-472.	0.9	4
100	Neurochemical changes underlying cognitive impairment in olfactory bulbectomized rats and the impact of the mGlu5-positive allosteric modulator CDPBB. <i>Brain Research</i> , 2021, 1768, 147577.	2.2	4
101	How to diagnose Mast Cell Activation Syndrome? Practical considerations. <i>Polish Archives of Internal Medicine</i> , 2020, 130, 317-323.	0.4	4
102	The role of occlusion and micro-incontinence in the pathogenesis of penile lichen sclerosus: an observational study of pro-inflammatory cytokinesâ€™ gene expression. <i>International Urology and Nephrology</i> , 2022, 54, 763-772.	1.4	4
103	Low Tumor-to-Stroma Ratio Reflects Protective Role of Stroma against Prostate Cancer Progression. <i>Journal of Personalized Medicine</i> , 2021, 11, 1088.	2.5	3
104	Assessing quality of life in patients with mastocytosis: development of the disease-specific questionnaire. <i>Postepy Dermatologii I Alergologii</i> , 2021, 38, 1044-1051.	0.9	3
105	Endothelial dysfunction in arteries from patients with induced hyperhomocysteinemia is associated with eNOS-mediated nitrooxidative stress. <i>European Heart Journal</i> , 2013, 34, P5695-P5695.	2.2	1
106	Presence of <i>Chlamydia pneumoniae</i> DNA in blood cells is a frequent event in patients with the late stage of primary cutaneous lymphomas and with atopic dermatitis. <i>Postepy Dermatologii I Alergologii</i> , 2018, 35, 274-279.	0.9	1
107	Inflammatory response to a marathon run in amateur athletes. <i>European Journal of Translational and Clinical Medicine</i> , 2021, 4, 43-49.	0.1	1
108	Nebivolol improves eNOS function and nitric oxide bioavailability in endothelial cells from African Americans. <i>American Journal of Hypertension</i> , 2005, 18, A181-A181.	2.0	0

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109	Molecular Imaging of Left Ventricular Remodeling. <i>Current Cardiovascular Imaging Reports</i> , 2012, 5, 188-197.	0.6	0
110	A systematic review and meta-analysis on the effect of statins on plasma asymmetric dimethylarginine concentrations. <i>Atherosclerosis</i> , 2015, 241, e199.	0.8	0
111	Malondialdehyde and nitrotyrosine as markers of peroxynitrite activity in sarcoidosis. , 2017, , .		0
112	-2518A/G polymorphism of monocyte chemoattractant protein 1 (MCP-1/CCL2) is associated with cutaneous mastocytosis. <i>Postepy Dermatologii I Alergologii</i> , 2021, 38, 1039-1043.	0.9	0