

Anton G Kutikhin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1763049/publications.pdf>

Version: 2024-02-01

116
papers

1,732
citations

304368

22
h-index

329751

37
g-index

119
all docs

119
docs citations

119
times ranked

2540
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular markers of cardiac fibrosis after myocardial infarction. <i>Fundamental and Clinical Medicine</i> , 2022, 7, 17-30.	0.1	0
2	Ultrastructure of neointima of native and artificial elements of the blood circulatory system. <i>Arkhiv Patologii</i> , 2022, 84, 14.	0.0	0
3	Early Postoperative Immunothrombosis of Bioprosthetic Mitral Valve and Left Atrium: A Case Report. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6736.	1.8	3
4	Age-dependent remodeling of the internal thoracic artery extracellular matrix in patients with a combination of two or more cardiovascular risk factors. <i>Clinical and Experimental Surgery</i> , 2022, 10, 33-45.	0.0	0
5	Ultrastructure of stented right ventricular outflow tract in low-birth-weight infants before surgical correction of tetralogy of Fallot. <i>Clinical and Experimental Surgery</i> , 2021, 9, 46-58.	0.0	0
6	Xenogeneic bone mineral is efficient for the repair of critical-sized rat calvarial defects. <i>Fundamental and Clinical Medicine</i> , 2021, 6, 16-26.	0.1	0
7	bFGF and SDF-1 β Improve In Vivo Performance of VEGF-Incorporating Small-Diameter Vascular Grafts. <i>Pharmaceuticals</i> , 2021, 14, 302.	1.7	12
8	Real-time coronary artery stenosis detection based on modern neural networks. <i>Scientific Reports</i> , 2021, 11, 7582.	1.6	20
9	Calciprotein Particles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1607-1624.	1.1	40
10	Ultrastructural mitral valve abnormalities in infective endocarditis. <i>Cardiovascular Therapy and Prevention (Russian Federation)</i> , 2021, 20, 2742.	0.4	0
11	Ventilation-Associated Particulate Matter Is a Potential Reservoir of Multidrug-Resistant Organisms in Health Facilities. <i>Life</i> , 2021, 11, 639.	1.1	4
12	Regularities of plaque stabilization in various scenarios of neointimal calcification and vascularization. <i>Russian Journal of Cardiology</i> , 2021, 26, 4051.	0.4	1
13	Pathophysiological and clinical significance of mineral homeostasis disorders in the development of cardiovascular disease. <i>Fundamental and Clinical Medicine</i> , 2021, 6, 82-102.	0.1	0
14	Aortography Keypoint Tracking for Transcatheter Aortic Valve Implantation Based on Multi-Task Learning. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 697737.	1.1	3
15	Development of a Gastro-retentive Dosage Form of a New Promising Anti-tuberculosis Drug Macozinone. <i>Drug Development and Registration</i> , 2021, 10, 55-69.	0.2	3
16	Tissue-Engineered Carotid Artery Interposition Grafts Demonstrate High Primary Patency and Promote Vascular Tissue Regeneration in the Ovine Model. <i>Polymers</i> , 2021, 13, 2637.	2.0	11
17	Loss of Nfat5 promotes lipid accumulation in vascular smooth muscle cells. <i>FASEB Journal</i> , 2021, 35, e21831.	0.2	6
18	Elemental analysis of valvular and atherosclerotic calcification. <i>Complex Issues of Cardiovascular Diseases</i> , 2021, 10, 26-33.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Ultrastructural pathology of bioprosthetic heart valves with infectious endocarditis. <i>Fundamental and Clinical Medicine</i> , 2021, 6, 25-34.	0.1	0
20	EMbedding and Backscattered Scanning Electron Microscopy: A Detailed Protocol for the Whole-Specimen, High-Resolution Analysis of Cardiovascular Tissues. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 739549.	1.1	9
21	Calcioprotein Particles Link Disturbed Mineral Homeostasis with Cardiovascular Disease by Causing Endothelial Dysfunction and Vascular Inflammation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12458.	1.8	7
22	Elemental analysis insights into atherosclerotic calcification. <i>The Siberian Scientific Medical Journal</i> , 2021, 41, 81-90.	0.1	0
23	Risk factors for death in patients with severe COVID-19 admitted to an intensive care unit. <i>Fundamental and Clinical Medicine</i> , 2021, 6, 22-44.	0.1	2
24	Prototyping neural networks to evaluate the risk of adverse cardiovascular outcomes in the population. <i>Fundamental and Clinical Medicine</i> , 2021, 6, 67-81.	0.1	1
25	Ultrastructural Pathology of Atherosclerosis, Calcific Aortic Valve Disease, and Bioprosthetic Heart Valve Degeneration: Commonalities and Differences. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7434.	1.8	26
26	Degeneration of Bioprosthetic Heart Valves: Update 2020. <i>Journal of the American Heart Association</i> , 2020, 9, e018506.	1.6	150
27	Mitomycin C induced genotoxic stress in endothelial cells is associated with differential expression of proinflammatory cytokines. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020, 858-860, 503252.	0.9	18
28	Calcioprotein Particles Cause Endothelial Dysfunction under Flow. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8802.	1.8	20
29	Native Bovine Hydroxyapatite Powder, Demineralised Bone Matrix Powder, and Purified Bone Collagen Membranes Are Efficient in Repair of Critical-Sized Rat Calvarial Defects. <i>Materials</i> , 2020, 13, 3393.	1.3	11
30	Backscattered Scanning Electron Microscopy Approach for Assessment of Microvessels under Conditions of Normal Microanatomy and Pathological Neovascularization. <i>Bulletin of Experimental Biology and Medicine</i> , 2020, 169, 525-530.	0.3	5
31	Co-Culture of Primary Human Coronary Artery and Internal Thoracic Artery Endothelial Cells Results in Mutually Beneficial Paracrine Interactions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8032.	1.8	8
32	Serum and Echocardiographic Markers May Synergistically Predict Adverse Cardiac Remodeling after ST-Segment Elevation Myocardial Infarction in Patients with Preserved Ejection Fraction. <i>Diagnostics</i> , 2020, 10, 301.	1.3	11
33	Human Peripheral Blood-Derived Endothelial Colony-Forming Cells Are Highly Similar to Mature Vascular Endothelial Cells yet Demonstrate a Transitional Transcriptomic Signature. <i>Cells</i> , 2020, 9, 876.	1.8	30
34	Formation of calcium phosphate bions in patients with carotid and coronary atherosclerosis. <i>Russian Journal of Cardiology</i> , 2020, 25, 3881.	0.4	2
35	Comparison of gene expression profiles of human peripheral blood derived endothelial colony-forming cells and coronary artery endothelial cells. <i>Complex Issues of Cardiovascular Diseases</i> , 2020, 9, 74-81.	0.3	2
36	Application of xenogeneic native bone collagen for bone repair in critical-sized rat calvarial defect model. <i>Fundamental and Clinical Medicine</i> , 2020, 5, 8-21.	0.1	1

#	ARTICLE	IF	CITATIONS
37	Analysis of intrinsic apoptosis in endothelial cells exposed to calcium phosphate bions. Fundamental and Clinical Medicine, 2020, 5, 50-58.	0.1	0
38	Heterologous demineralised bone matrix is efficient for the repair of critical-sized rat calvarial defects. Fundamental and Clinical Medicine, 2020, 5, 24-34.	0.1	0
39	Anatomy of adventitial and perivascular vasa vasorum as a key factor of a long-term coronary artery bypass graft surgery success. Clinical and Experimental Surgery, 2020, 8, 65-73.	0.0	1
40	Immunogenetics of Cancer. , 2020, , 417-478.		0
41	Calcium phosphate bions: towards a pathogenetic concept. Fundamental and Clinical Medicine, 2020, 5, 78-93.	0.1	2
42	Endothelial monolayer disruption in bioprosthetic heart valve as a trigger of primary tissue failure. Bulletin of Siberian Medicine, 2020, 19, 55-62.	0.1	0
43	Primer parameters defining efficiency and coefficient of determination in quantitative polymerase chain reaction. Complex Issues of Cardiovascular Diseases, 2020, 9, 13-20.	0.3	0
44	Biomarkers of myocardial fibrosis and their genetic regulation in patients with heart failure. Russian Journal of Cardiology, 2020, 25, 3933.	0.4	6
45	Finite Element Analysis-Based Approach for Prediction of Aneurysm-Prone Arterial Segments. Journal of Medical and Biological Engineering, 2019, 39, 102-108.	1.0	6
46	Increased Serum Parathyroid Hormone, Osteocalcin and Alkaline Phosphatase Are Associated with a Long-Term Adverse Cardiovascular Outcome after Coronary Artery Bypass Graft Surgery. Diagnostics, 2019, 9, 143.	1.3	3
47	Development of calcific aortic valve disease: Do we know enough for new clinical trials?. Journal of Molecular and Cellular Cardiology, 2019, 132, 189-209.	0.9	68
48	Biocompatibility of Small-Diameter Vascular Grafts in Different Modes of RGD Modification. Polymers, 2019, 11, 174.	2.0	20
49	Two-stage approach for surgical treatment of tetralogy of Fallot in underweight children: Clinical and morphological outcomes. Journal of Cardiac Surgery, 2019, 34, 293-299.	0.3	9
50	Calcium Phosphate Bions Cause Intimal Hyperplasia in Intact Aortas of Normolipidemic Rats through Endothelial Injury. International Journal of Molecular Sciences, 2019, 20, 5728.	1.8	20
51	Optimization of hematoxylin and eosin staining of heart, blood vessels, liver, and spleen. Fundamental and Clinical Medicine, 2019, 4, 70-77.	0.1	1
52	MORPHOLOGICAL AND CHEMICAL CHARACTERIZATION OF MAGNESIUM PHOSPHATE AND CALCIUM PHOSPHATE BIONS. Fundamental and Clinical Medicine, 2019, 4, 6-16.	0.1	1
53	Particulate Matter in a Hospital Environment: as Potential Reservoir for Hospital Strains. Epidemiologiya i Vaktsinoprofilaktika, 2019, 18, 82-92.	0.2	3
54	Животные модели для изучения влияния кальция фосфатных бионов на процесс формирования атеросклеротической бляшки. Вестник Кемеровского государственного университета. Медицина, 2020, 21, 10-14.	0.1	1

#	ARTICLE	IF	CITATIONS
55	Shear stress: An essential driver of endothelial progenitor cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 118, 46-69.	0.9	51
56	Preparation of a Functional Enzyme- α -Carbon Nanotube Complex by the Immobilization of Superoxide Dismutase on Single-Wall Carbon Nanotubes. <i>Nanotechnologies in Russia</i> , 2018, 13, 349-355.	0.7	3
57	Dynamic matrisome: ECM remodeling factors licensing cancer progression and metastasis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1870, 207-228.	3.3	102
58	INFLUENCE OF bFGF, SDF-1 β , OR VEGF INCORPORATED INTO TUBULAR POLYMER SCAFFOLDS ON THE FORMATION OF SMALL-DIAMETER TISSUE-ENGINEERED BLOOD VESSEL IN VIVO. <i>Vestnik Transplantologii I Iskusstvennykh Organov</i> , 2018, 20, 96-109.	0.1	6
59	Calcium-phosphate bions do specifically induce hypertrophy of damaged intima in rats. <i>Russian Journal of Cardiology</i> , 2018, , 33-38.	0.4	2
60	IN SILICO ANALYSIS OF HUMAN VEGF, bFGF, SDF-1 β AFFINITY TO RELEVANT HUMAN / OVINE RECEPTORS. <i>Siberian Medical Review</i> , 2018, , 66-76.	0.1	0
61	Polymorphism of protein genes associated with endothelial function in patients with infective endocarditis. <i>Russian Journal of Cardiology</i> , 2018, , 88-97.	0.4	2
62	Effects of Deltorphin II and Its Retroenantio Analog on Cardiac Tolerance to Ischemia and Reperfusion. <i>Bulletin of Experimental Biology and Medicine</i> , 2017, 162, 306-309.	0.3	4
63	Serum neutrophil gelatinase-associated lipocalin has an advantage over serum cystatin C and glomerular filtration rate in prediction of adverse cardiovascular outcome in patients with ST-segment elevation myocardial infarction. <i>BMC Cardiovascular Disorders</i> , 2017, 17, 81.	0.7	13
64	Inherited Variation in Cytokine, Acute Phase Response, and Calcium Metabolism Genes Affects Susceptibility to Infective Endocarditis. <i>Mediators of Inflammation</i> , 2017, 2017, 1-21.	1.4	10
65	POLYMORPHISMS WITHIN INNATE IMMUNE RESPONSE, CALCIUM METABOLISM AND LIPID METABOLISM ARE PREDICTORS OF INFECTIVE ENDOCARDITIS. <i>Russian Journal of Infection and Immunity</i> , 2017, 7, 130-140.	0.2	1
66	A Genomics-Based Model for Prediction of Severe Bioprosthetic Mitral Valve Calcification. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1385.	1.8	8
67	Conjugation with RGD Peptides and Incorporation of Vascular Endothelial Growth Factor Are Equally Efficient for Biofunctionalization of Tissue-Engineered Vascular Grafts. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1920.	1.8	31
68	Bioabsorbable Bypass Grafts Biofunctionalised with RGD Have Enhanced Biophysical Properties and Endothelialisation Tested In vivo. <i>Frontiers in Pharmacology</i> , 2016, 7, 136.	1.6	15
69	Vascular Endothelial Growth Factor Improves Physico-Mechanical Properties and Enhances Endothelialization of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/Poly(ϵ -caprolactone) Small-Diameter Vascular Grafts In vivo. <i>Frontiers in Pharmacology</i> , 2016, 07, 230.	1.6	26
70	Apoptosis-mediated endothelial toxicity but not direct calcification or functional changes in anti-calcification proteins defines pathogenic effects of calcium phosphate bions. <i>Scientific Reports</i> , 2016, 6, 27255.	1.6	37
71	Interleukin-12 serum level has prognostic value in patients with ST-segment elevation myocardial infarction. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2016, 45, 336-340.	0.8	19
72	Association of TLR and TREM-1 gene polymorphisms with atherosclerosis severity in a Russian population. <i>Meta Gene</i> , 2016, 9, 76-89.	0.3	32

#	ARTICLE	IF	CITATIONS
73	Decreased Cathepsin K Plasma Level may Reflect an Association of Osteopenia/Osteoporosis with Coronary Atherosclerosis and Coronary Artery Calcification in Male Patients with Stable Angina. Heart Lung and Circulation, 2016, 25, 691-697.	0.2	15
74	Grinding and polishing instead of sectioning for the tissue samples with a graft: Implications for light and electron microscopy. Micron, 2016, 85, 1-7.	1.1	16
75	CB-Receptor Agonist HU-210 Mimics the Postconditioning Phenomenon of Isolated Heart. Bulletin of Experimental Biology and Medicine, 2016, 162, 27-29.	0.3	6
76	Postconditioning the Heart: Analysis of Experimental and Clinical Data. Vestnik Rossiiskoi Akademii Meditsinskikh Nauk, 2016, 71, 25-30.	0.2	1
77	Editorial: Pattern Recognition Receptors and Cancer. Frontiers in Immunology, 2015, 6, 481.	2.2	9
78	Editorial: recent discoveries in evolutionary and genomic microbiology. Frontiers in Microbiology, 2015, 6, 323.	1.5	3
79	Interleukin-12 Superfamily and Cancer. , 2015, , 223-260.		0
80	The Role of Cystatin C in the Prognosis of Adverse Outcomes after the Coronary Artery Bypass Graft Surgery During Hospitalisation. Heart Lung and Circulation, 2015, 24, 193-199.	0.2	4
81	Microalbuminuria and Prediction of Cardiovascular Complications in Patients with Coronary Artery Disease and Type 2 Diabetes Mellitus after CABG Surgery. Heart Lung and Circulation, 2015, 24, 951-959.	0.2	6
82	Interleukin-1 Superfamily and Cancer. , 2015, , 17-61.		0
83	Interleukin-2 Superfamily and Cancer. , 2015, , 63-89.		0
84	Interleukin-3, Interleukin-5, and Cancer. , 2015, , 91-116.		1
85	The Rest of Interleukins. , 2015, , 291-318.		1
86	Interleukin-17 Superfamily and Cancer. , 2015, , 261-289.		0
87	Epstein-Barr Virus: From the Detection of Sequence Polymorphisms to the Recognition of Viral Types. Current Topics in Microbiology and Immunology, 2015, 390, 119-148.	0.7	27
88	IL-6 Family and Cancer. , 2015, , 117-146.		4
89	An association between single nucleotide polymorphisms within TLR and TREM-1 genes and infective endocarditis. Cytokine, 2015, 71, 16-21.	1.4	28
90	Interleukin-10 Superfamily and Cancer. , 2015, , 147-222.		0

#	ARTICLE	IF	CITATIONS
91	Immunogenetics of Cancer. , 2015, , 295-341.		2
92	Calcifying nanoparticles: one face of distinct entities?. <i>Frontiers in Microbiology</i> , 2014, 5, 214.	1.5	6
93	Pattern Recognition Receptors and DNA Repair: Starting to Put a Jigsaw Puzzle Together. <i>Frontiers in Immunology</i> , 2014, 5, 343.	2.2	13
94	Correlation between genetic polymorphisms within IL-1B and TLR4 genes and cancer risk in a Russian population: a case-control study. <i>Tumor Biology</i> , 2014, 35, 4821-4830.	0.8	54
95	Association of TLR and TREM-1 gene polymorphisms with risk of coronary artery disease in a Russian population. <i>Gene</i> , 2014, 550, 101-109.	1.0	38
96	Genetic predisposition to calcific aortic stenosis and mitral annular calcification. <i>Molecular Biology Reports</i> , 2014, 41, 5645-5663.	1.0	19
97	Mimiviridae, Marseilleviridae, and virophages as emerging human pathogens causing healthcare-associated infections. <i>GMS Hygiene and Infection Control</i> , 2014, 9, Doc16.	0.2	7
98	Structural Genomic Variation in Toll-Like Receptor Signaling Pathway and Cancer. , 2013, , 77-100.		0
99	Infectious Agents and Cancer. , 2013, , .		4
100	The Prognostic Value of Peripheral Artery Diseases in Patients with ST-Segment Elevation Myocardial Infarction. <i>Disease Markers</i> , 2013, 35, 877-882.	0.6	7
101	Genomics of Pattern Recognition Receptors. , 2013, , .		2
102	The Biology of Toll-Like Receptors and NOD-Like Receptors: The Toggles of Inflammation. , 2013, , 1-25.		2
103	Common Genetic Variants in the Myeloperoxidase and Paraoxonase Genes and the Related Cancer Risk: A Review. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2012, 30, 287-322.	2.9	20
104	The role of calcifying nanoparticles in biology and medicine. <i>International Journal of Nanomedicine</i> , 2012, 7, 339.	3.3	26
105	Are Toll-like receptor gene polymorphisms associated with prostate cancer?. <i>Cancer Management and Research</i> , 2012, 4, 23.	0.9	7
106	Inherited variation in pattern recognition receptors and cancer: dangerous liaisons?. <i>Cancer Management and Research</i> , 2012, 4, 31.	0.9	19
107	C-type lectin receptors and RIG-I-like receptors: new points on the oncogenomics map. <i>Cancer Management and Research</i> , 2012, 4, 39.	0.9	21
108	Integrative systems of genomic risk markers for cancer and other diseases: future of predictive medicine. <i>Cancer Management and Research</i> , 2012, 4, 131.	0.9	17

#	ARTICLE	IF	CITATIONS
109	Inherited variations in the <i>SOD</i> and <i>GPX</i> gene families and cancer risk. <i>Free Radical Research</i> , 2012, 46, 581-599.	1.5	39
110	Interleukin-12: Clinical usage and molecular markers of cancer susceptibility. <i>Growth Factors</i> , 2012, 30, 176-191.	0.5	62
111	ABO and Rh Blood Groups in Relation to Ovarian, Endometrial and Cervical Cancer Risk Among The Population of South-East Siberia. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 5091-5096.	0.5	46
112	Colorectal Cancer Risk Factors among the Population of South-East Siberia: A Case-Control Study. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 5183-5188.	0.5	24
113	Analysis of Cancer Incidence and Mortality in the Industrial Region of South-East Siberia from 1991 through 2010. <i>Asian Pacific Journal of Cancer Prevention</i> , 2012, 13, 5189-5193.	0.5	21
114	Impact of Toll-like receptor 4 polymorphisms on risk of cancer. <i>Human Immunology</i> , 2011, 72, 193-206.	1.2	70
115	Role of NOD1/CARD4 and NOD2/CARD15 gene polymorphisms in cancer etiology. <i>Human Immunology</i> , 2011, 72, 955-968.	1.2	74
116	Association of polymorphisms in TLR genes and in genes of the Toll-like receptor signaling pathway with cancer risk. <i>Human Immunology</i> , 2011, 72, 1095-1116.	1.2	98