

Anton G Kutikhin

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

1,732
citations

304602

22
h-index

330025

37
g-index

119
all docs

119
docs citations

119
times ranked

2540
citing authors

#	ARTICLE	IF	CITATIONS
1	Degeneration of Bioprosthetic Heart Valves: Update 2020. <i>Journal of the American Heart Association</i> , 2020, 9, e018506.	1.6	150
2	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
3	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
4	Role of NOD1/CARD4 and NOD2/CARD15 gene polymorphisms in cancer etiology. <i>Human Immunology</i> , 2011, 72, 955-968.	1.2	74
5	Impact of Toll-like receptor 4 polymorphisms on risk of cancer. <i>Human Immunology</i> , 2011, 72, 193-206.	1.2	70
6	Development of calcific aortic valve disease: Do we know enough for new clinical trials?. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 132, 189-209.	0.9	68
7	Interleukin-12: Clinical usage and molecular markers of cancer susceptibility. <i>Growth Factors</i> , 2012, 30, 176-191.	0.5	62
8	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
9	Shear stress: An essential driver of endothelial progenitor cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 118, 46-69.	0.9	51
10	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
11	Calcioprotein Particles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021, 41, 1607-1624.	1.1	40
12	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
13	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
14	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
15	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
16	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
17	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
18	An association between single nucleotide polymorphisms within TLR and TREM-1 genes and infective endocarditis. <i>Cytokine</i> , 2015, 71, 16-21.	1.4	28

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19	Epstein-Barr Virus: From the Detection of Sequence Polymorphisms to the Recognition of Viral Types. <i>Current Topics in Microbiology and Immunology</i> , 2015, 390, 119-148.	0.7	27
20	The role of calcifying nanoparticles in biology and medicine. <i>International Journal of Nanomedicine</i> , 2012, 7, 339.	3.3	26
21	Vascular Endothelial Growth Factor Improves Physico-Mechanical Properties and Enhances Endothelialization of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/Poly(L-L-caprolactone) Small-Diameter Vascular Grafts In vivo. <i>Frontiers in Pharmacology</i> , 2016, 07, 230.	1.6	26
22	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
23	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
24	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
25	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
26	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
27	Biocompatibility of Small-Diameter Vascular Grafts in Different Modes of RGD Modification. <i>Polymers</i> , 2019, 11, 174.	2.0	20
28	Calcium Phosphate Bions Cause Intimal Hyperplasia in Intact Aortas of Normolipidemic Rats through Endothelial Injury. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5728.	1.8	20
29	Calciprotein Particles Cause Endothelial Dysfunction under Flow. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8802.	1.8	20
30	Real-time coronary artery stenosis detection based on modern neural networks. <i>Scientific Reports</i> , 2021, 11, 7582.	1.6	20
31	Inherited variation in pattern recognition receptors and cancer: dangerous liaisons?. <i>Cancer Management and Research</i> , 2012, 4, 31.	0.9	19
32	Genetic predisposition to calcific aortic stenosis and mitral annular calcification. <i>Molecular Biology Reports</i> , 2014, 41, 5645-5663.	1.0	19
33	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
34	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
35	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
36	Grinding and polishing instead of sectioning for the tissue samples with a graft: Implications for light and electron microscopy. <i>Micron</i> , 2016, 85, 1-7.	1.1	16

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37	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
38	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. <i>Heart Lung and Circulation</i> , 2016, 25, 691-697.	0.2	15
39	Pattern Recognition Receptors and DNA Repair: Starting to Put a Jigsaw Puzzle Together. <i>Frontiers in Immunology</i> , 2014, 5, 343.	2.2	13
40	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
41	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
42	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
43	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
44	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
45	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
46	Editorial: Pattern Recognition Receptors and Cancer. <i>Frontiers in Immunology</i> , 2015, 6, 481.	2.2	9
47	Two-stage approach for surgical treatment of tetralogy of Fallot in underweight children: Clinical and morphological outcomes. <i>Journal of Cardiac Surgery</i> , 2019, 34, 293-299.	0.3	9
48	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
49	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
50	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
51	Are Toll-like receptor gene polymorphisms associated with prostate cancer?. <i>Cancer Management and Research</i> , 2012, 4, 23.	0.9	7
52	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
53	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
54	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

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55	Calcifying nanoparticles: one face of distinct entities?. <i>Frontiers in Microbiology</i> , 2014, 5, 214.	1.5	6
56	Microalbuminuria and Prediction of Cardiovascular Complications in Patients with Coronary Artery Disease and Type 2 Diabetes Mellitus after CABG Surgery. <i>Heart Lung and Circulation</i> , 2015, 24, 951-959.	0.2	6
57	CB-Receptor Agonist HU-210 Mimics the Postconditioning Phenomenon of Isolated Heart. <i>Bulletin of Experimental Biology and Medicine</i> , 2016, 162, 27-29.	0.3	6
58	Finite Element Analysis-Based Approach for Prediction of Aneurysm-Prone Arterial Segments. <i>Journal of Medical and Biological Engineering</i> , 2019, 39, 102-108.	1.0	6
59	Loss of Nfat5 promotes lipid accumulation in vascular smooth muscle cells. <i>FASEB Journal</i> , 2021, 35, e21831.	0.2	6
60	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
61	Biomarkers of myocardial fibrosis and their genetic regulation in patients with heart failure. <i>Russian Journal of Cardiology</i> , 2020, 25, 3933.	0.4	6
62	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
63	Infectious Agents and Cancer. , 2013, , .		4
64	The Role of Cystatin C in the Prognosis of Adverse Outcomes after the Coronary Artery Bypass Graft Surgery During Hospitalisation. <i>Heart Lung and Circulation</i> , 2015, 24, 193-199.	0.2	4
65	IL-6 Family and Cancer. , 2015, , 117-146.		4
66	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
67	Ventilation-Associated Particulate Matter Is a Potential Reservoir of Multidrug-Resistant Organisms in Health Facilities. <i>Life</i> , 2021, 11, 639.	1.1	4
68	Editorial: recent discoveries in evolutionary and genomic microbiology. <i>Frontiers in Microbiology</i> , 2015, 6, 323.	1.5	3
69	Preparation of a Functional Enzymeâ€“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
70	Increased Serum Parathyroid Hormone, Osteocalcin and Alkaline Phosphatase Are Associated with a Long-Term Adverse Cardiovascular Outcome after Coronary Artery Bypass Graft Surgery. <i>Diagnostics</i> , 2019, 9, 143.	1.3	3
71	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
72	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

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73	Particulate Matter in a Hospital Environment: as Potential Reservoir for Hospital Strains. <i>Epidemiologiya i Vaktsinoprofilaktika</i> , 2019, 18, 82-92.	0.2	3
74	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
75	Genomics of Pattern Recognition Receptors. , 2013, , .		2
76	The Biology of Toll-Like Receptors and NOD-Like Receptors: The Toggles of Inflammation. , 2013, , 1-25.		2
77	Immunogenetics of Cancer. , 2015, , 295-341.		2
78	Calcium-phosphate bions do specifically induce hypertrophy of damaged intima in rats. <i>Russian Journal of Cardiology</i> , 2018, , 33-38.	0.4	2
79	Formation of calcium phosphate bions in patients with carotid and coronary atherosclerosis. <i>Russian Journal of Cardiology</i> , 2020, 25, 3881.	0.4	2
80	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
81	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
82	Calcium phosphate bions: towards a pathogenetic concept. <i>Fundamental and Clinical Medicine</i> , 2020, 5, 78-93.	0.1	2
83	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
84	Interleukin-3, Interleukin-5, and Cancer. , 2015, , 91-116.		1
85	The Rest of Interleukins. , 2015, , 291-318.		1
86	Regularities of plaque stabilization in various scenarios of neointimal calcification and vascularization. <i>Russian Journal of Cardiology</i> , 2021, 26, 4051.	0.4	1
87	Elemental analysis of valvular and atherosclerotic calcification. <i>Complex Issues of Cardiovascular Diseases</i> , 2021, 10, 26-33.	0.3	1
88	Optimization of hematoxylin and eosin staining of heart, blood vessels, liver, and spleen. <i>Fundamental and Clinical Medicine</i> , 2019, 4, 70-77.	0.1	1
89	Postconditioning the Heart: Analysis of Experimental and Clinical Data. <i>Vestnik Rossiiskoi Akademii Meditsinskikh Nauk</i> , 2016, 71, 25-30.	0.2	1
90	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

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91	MORPHOLOGICAL AND CHEMICAL CHARACTERIZATION OF MAGNESIUM PHOSPHATE AND CALCIUM PHOSPHATE BIONS. Fundamental and Clinical Medicine, 2019, 4, 6-16.	0.1	1
92	Application of xenogeneic native bone collagen for bone repair in critical-sized rat calvarial defect model. Fundamental and Clinical Medicine, 2020, 5, 8-21.	0.1	1
94	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
95	Prototyping neural networks to evaluate the risk of adverse cardiovascular outcomes in the population. Fundamental and Clinical Medicine, 2021, 6, 67-81.	0.1	1
96	Structural Genomic Variation in Toll-Like Receptor Signaling Pathway and Cancer. , 2013, , 77-100.		0
97	Interleukin-12 Superfamily and Cancer. , 2015, , 223-260.		0
98	Interleukin-1 Superfamily and Cancer. , 2015, , 17-61.		0
99	Interleukin-2 Superfamily and Cancer. , 2015, , 63-89.		0
100	Interleukin-17 Superfamily and Cancer. , 2015, , 261-289.		0
101	Interleukin-10 Superfamily and Cancer. , 2015, , 147-222.		0
102	Ultrastructure of stented right ventricular outflow tract in low-birth-weight infants before surgical correction of tetralogy of Fallot. Clinical and Experimental Surgery, 2021, 9, 46-58.	0.0	0
103	Xenogeneic bone mineral is efficient for the repair of critical-sized rat calvarial defects. Fundamental and Clinical Medicine, 2021, 6, 16-26.	0.1	0
104	Ultrastructural mitral valve abnormalities in infective endocarditis. Cardiovascular Therapy and Prevention (Russian Federation), 2021, 20, 2742.	0.4	0
105	Pathophysiological and clinical significance of mineral homeostasis disorders in the development of cardiovascular disease. Fundamental and Clinical Medicine, 2021, 6, 82-102.	0.1	0
106	Ultrastructural pathology of bioprosthetic heart valves with infectious endocarditis. Fundamental and Clinical Medicine, 2021, 6, 25-34.	0.1	0
107	IN SILICO ANALYSIS OF HUMAN VEGF, bFGF, SDF-1 α AFFINITY TO RELEVANT HUMAN / OVINE RECEPTORS. Siberian Medical Review, 2018, , 66-76.	0.1	0
108	Analysis of intrinsic apoptosis in endothelial cells exposed to calcium phosphate bions. Fundamental and Clinical Medicine, 2020, 5, 50-58.	0.1	0

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109	Heterologous demineralised bone matrix is efficient for the repair of critical-sized rat calvarial defects. <i>Fundamental and Clinical Medicine</i> , 2020, 5, 24-34.	0.1	0
110	Immunogenetics of Cancer. , 2020, , 417-478.		0
111	Endothelial monolayer disruption in bioprosthetic heart valve as a trigger of primary tissue failure. <i>Bulletin of Siberian Medicine</i> , 2020, 19, 55-62.	0.1	0
112	Primer parameters defining efficiency and coefficient of determination in quantitative polymerase chain reaction. <i>Complex Issues of Cardiovascular Diseases</i> , 2020, 9, 13-20.	0.3	0
113	Elemental analysis insights into atherosclerotic calcification. <i>The Siberian Scientific Medical Journal</i> , 2021, 41, 81-90.	0.1	0
114	Molecular markers of cardiac fibrosis after myocardial infarction. <i>Fundamental and Clinical Medicine</i> , 2022, 7, 17-30.	0.1	0
115	Ultrastructure of neointima of native and artificial elements of the blood circulatory system. <i>Arkhiv Patologii</i> , 2022, 84, 14.	0.0	0
116	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