

# Andrey A Karpenko

## List of Publications by Year in descending order

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45  
papers

307  
citations

932766

10  
h-index

996533

15  
g-index

48  
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48  
docs citations

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times ranked

333  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun Produced 3D Matrices for Covering of Vascular Stents: Paclitaxel Release Depending on Fiber Structure and Composition of the External Environment. <i>Materials</i> , 2018, 11, 2176.	1.3	27
2	Human serum albumin in electrospun PCL fibers: structure, release, and exposure on fiber surface. <i>Polymers for Advanced Technologies</i> , 2017, 28, 819-827.	1.6	26
3	Endothelial and smooth muscle cells derived from human cardiac explants demonstrate angiogenic potential and suitable for design of cell-containing vascular grafts. <i>Journal of Translational Medicine</i> , 2017, 15, 54.	1.8	25
4	Mechanical Properties and Biological Behavior of 3D Matrices Produced by Electrospinning from Protein-Enriched Polyurethane. <i>BioMed Research International</i> , 2018, 2018, 1-10.	0.9	23
5	Electrospun polyurethane-based vascular grafts: physicochemical properties and functioning in vivo. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 015010.	1.7	15
6	Study of hemocompatibility and endothelial cell interaction of tecoflex-based electrospun vascular grafts. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 34-43.	1.8	14
7	In Vivo Stability of Polyurethane-Based Electrospun Vascular Grafts in Terms of Chemistry and Mechanics. <i>Polymers</i> , 2020, 12, 845.	2.0	14
8	A prospective, single-blind, randomized, phase III study to evaluate the safety and efficacy of Fibrin Sealant Grifols as an adjunct to hemostasis compared with manual compression in vascular surgery. <i>Journal of Vascular Surgery</i> , 2019, 70, 1642-1651.	0.6	13
9	Vascular Stents Coated with Electrospun Drug-Eluting Material: Functioning in Rabbit Iliac Artery. <i>Polymers</i> , 2020, 12, 1741.	2.0	12
10	Hybrid Interventions in the Case of Combined Stenosis of the Carotid Bifurcations and Supra-Aortic Arteries. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2016, 25, 63-66.	0.7	11
11	Comparative Analysis of Carotid Artery Stenting and Carotid Endarterectomy in Clinical Practice. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020, 29, 104751.	0.7	10
12	Endovascular Treatment of the Subclavian Artery Steno-Occlusive Disease. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017, 26, 87-93.	0.7	9
13	Endovenous laser ablation in patients with severe primary chronic venous insufficiency. <i>International Angiology</i> , 2017, 36, 368-374.	0.4	9
14	Systemic Thrombolytic Therapy and Catheter-Directed Fragmentation with Local Thrombolytic Therapy in Patients with Pulmonary Embolism. <i>Annals of Vascular Surgery</i> , 2017, 45, 98-105.	0.4	8
15	Isolation, culturing and gene expression profiling of inner mass cells from stable and vulnerable carotid atherosclerotic plaques. <i>PLoS ONE</i> , 2019, 14, e0218892.	1.1	7
16	Effect of Polyethylene Terephthalate on Functional Properties of Endothelial and Mesenchymal Cells. <i>Bulletin of Experimental Biology and Medicine</i> , 2019, 166, 580-585.	0.3	7
17	Sirolimus-Eluting Electrospun-Produced Matrices as Coatings for Vascular Stents: Dependence of Drug Release on Matrix Structure and Composition of the External Environment. <i>Materials</i> , 2020, 13, 2692.	1.3	7
18	Association of folate metabolism gene polymorphisms and pulmonary embolism: A case-control study of West-Siberian population. <i>Thrombosis Research</i> , 2015, 135, 788-795.	0.8	6

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19	The role of stump pressure and cerebral oximetry in predicting ischaemic brain damage during carotid endarterectomy. <i>Brain Injury</i> , 2017, 31, 1944-1950.	0.6	5
20	The roles of mechanotransduction, vascular wall cells, and blood cells in atheroma induction. <i>Vascular</i> , 2019, 27, 98-109.	0.4	5
21	Carotid Endarterectomy with Autoarterial Remodeling of Bifurcation of the Common Carotid Artery and Carotid Endarterectomy with Patch Closure: Comparison of Methods. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 741-750.	0.7	5
22	Assessment of Electrospun Pellethane-Based Scaffolds for Vascular Tissue Engineering. <i>Materials</i> , 2021, 14, 3678.	1.3	5
23	Mechanisms Underlying Atheroma Induction: The Roles of Mechanotransduction, Vascular Wall Cells, and Blood Cells. <i>Annals of Vascular Surgery</i> , 2018, 53, 224-233.	0.4	4
24	Comparative gene expression profiling of human primary endotheliocytes cultivated on polyurethane-based electrospun 3D matrices and natural decellularized vein. <i>Biomedical Materials (Bristol)</i> , 2020, 15, 045012.	1.7	4
25	Influence of Elongation of Paclitaxel-Eluting Electrospun-Produced Stent Coating on Paclitaxel Release and Transport through the Arterial Wall after Stenting. <i>Polymers</i> , 2021, 13, 1165.	2.0	4
26	Post-Traumatic Arteriovenous Fistulas Leading to Heart Failure. <i>EJVES Vascular Forum</i> , 2021, 53, 14-16.	0.2	4
27	Diclofenac release from polycaprolactone 3D matrices produced by electrospinning: influence of fiber structure and composition of the surrounding medium. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 27-33.	1.8	3
28	Stenting of the carotid artery with CGuard and Acculink stents: interim results of a randomized trial. <i>Angiologiia I Sosudistaia Khirurgiia = Angiology and Vascular Surgery</i> , 2019, 25, 64.	0.0	3
29	Mitomycin-Treated Endothelial and Smooth Muscle Cells Suitable for Safe Tissue Engineering Approaches. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 772981.	2.0	3
30	Potential of Biodegradable Synthetic Polymers for Use in Small-diameter Vascular Engineering. <i>Macromolecular Research</i> , 2022, 30, 425-437.	1.0	3
31	Hybrid in situ replacement for Samson group V Staphylococcus aureus aortic graft infection. <i>BMJ Case Reports</i> , 2013, 2013, bcr2013010289-bcr2013010289.	0.2	2
32	RGD Peptide-Albumin Conjugate for Endothelization of Electrospun Materials. <i>Russian Journal of Bioorganic Chemistry</i> , 2019, 45, 793-802.	0.3	2
33	Modern approaches to femoropopliteal bypass surgery: achievements and future prospects. <i>Cardiovascular Therapy and Prevention (Russian Federation)</i> , 2020, 19, 2274.	0.4	2
34	Activated Carbon for Drug Delivery from Composite Biomaterials: The Effect of Grinding on Sirolimus Binding and Release. <i>Pharmaceutics</i> , 2022, 14, 1386.	2.0	2
35	Is it possible to prevent cerebral embolization by improving the design and technology of carotid stent implantation?. <i>Expert Review of Cardiovascular Therapy</i> , 2020, 18, 891-904.	0.6	1
36	Intermediate results of the prospective randomized study on the effect of lamina vastoadductoria dissection after superficial femoral artery stenting on the restenosis incidence in TASC-II type C and D lesions. <i>Cardiovascular Therapy and Prevention (Russian Federation)</i> , 2020, 19, 2362.	0.4	1

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37	Outcomes of using various designs of carotid stents. Sibirskij Å¼urnal KliniÄeskoj I Å¼ksperimentalÊnoj Mediciny, 2021, 36, 30-37.	0.1	0
38	The effect of the stented iliac lesions TASC-II C, D on the femoropopliteal bypass patency: Propensity score-matched observational study. Vascular Medicine, 2021, , 1358863X2110211.	0.8	0
39	EVALUATION OF THE FUNCTIONAL PROPERTIES OF HUMAN ENDOTHELIAL AND SMOOTH MUSCLE CELLS AFTER SEEDING ON THE SURFACE OF NATURAL AND SYNTHETIC MATERIALS. Vestnik Transplantologii I Iskusstvennykh Organov, 2016, 18, 94-101.	0.1	0
40	Evaluation of the Safety and Clinical Effectiveness of Endovascular Mechanical Fragmentation with Local Thrombolysis in the Patients Presenting with Pulmonary Embolism at Intermediate and High Risk of Early Death. Flebologiya, 2018, 12, 74.	0.2	0
41	Modern endovascular methods in treatment of patients with the tibial arteries lesion: determinants and perspectives. Cardiovascular Therapy and Prevention (Russian Federation), 2018, 17, 74-80.	0.4	0
42	Surgical treatment of a patient with a giant iliac artery type E aneurysm and a horseshoe kidney. Cardiovascular Therapy and Prevention (Russian Federation), 2019, 18, 113-115.	0.4	0
43	Surgical treatment of a patient with a giant iliac artery type E aneurysm and a horseshoe kidney. Cardiovascular Therapy and Prevention (Russian Federation), 2019, 18, 113-115.	0.4	0
44	Intermediate results of the prospective randomized study on the effect of lamina vastoadductoria dissection after superficial femoral artery stenting on the restenosis incidence in TASC-II type C and D lesions. Cardiovascular Therapy and Prevention (Russian Federation), 2020, 19, 2362.	0.4	0
45	Relationship of pharmacotherapy and the incidence of embolic complications of carotid reconstructive surgery. Cardiovascular Therapy and Prevention (Russian Federation), 2022, 21, 3085.	0.4	0