

Omolola Eniola-Adefeso

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

1,602
citations

23
h-index

39
g-index

50
ext. papers

1,906
ext. citations

9.6
avg, IF

5.01
L-index

#	Paper	IF	Citations
47	PLGA's Plight and the Role of Stealth Surface Modification Strategies in Its Use for Intravenous Particulate Drug Delivery.. <i>Advanced Healthcare Materials</i> , 2022 , e2101536	10.1	3
46	Dual Coating of Chitosan and Albumin Negates the Protein Corona-Induced Reduced Vascular Adhesion of Targeted PLGA Microparticles in Human Blood. <i>Pharmaceutics</i> , 2022 , 14, 1018	6.4	1
45	Characterizing bulk rigidity of rigid red blood cell populations in sickle-cell disease patients. <i>Scientific Reports</i> , 2021 , 11, 7909	4.9	2
44	Deformable microparticles for shuttling nanoparticles to the vascular wall. <i>Science Advances</i> , 2021 , 7,	14.3	9
43	Perspectives on disparities in scientific visibility. <i>Nature Reviews Materials</i> , 2021 , 6, 556-559	73.3	3
42	Fund Black scientists. <i>Cell</i> , 2021 , 184, 561-565	56.2	42
41	Poly-salicylic Acid Polymer Microparticle Decoys Therapeutically Treat Acute Respiratory Distress Syndrome. <i>Advanced Healthcare Materials</i> , 2021 , e2101534	10.1	1
40	Method article: an blood flow model to advance the study of platelet adhesion utilizing a damaged endothelium.. <i>Platelets</i> , 2021 , 1-8	3.6	0
39	Neutrophils preferentially phagocytose elongated particles-An opportunity for selective targeting in acute inflammatory diseases. <i>Science Advances</i> , 2020 , 6, eaba1474	14.3	33
38	The influence of red blood cell deformability on hematocrit profiles and platelet margination. <i>PLoS Computational Biology</i> , 2020 , 16, e1007716	5	18
37	Effects of shape, rigidity, size, and flow on targeting 2020 , 55-66		3
36	Biodegradable, bile salt microparticles for localized fat dissolution. <i>Science Advances</i> , 2020 , 6,	14.3	3
35	Increased Adhesive Potential of Antiphospholipid Syndrome Neutrophils Mediated by α Integrin Mac-1. <i>Arthritis and Rheumatology</i> , 2020 , 72, 114-124	9.5	27
34	3005 Integrin Mac-1 Potentiates Neutrophil Adhesion and NET Release in Antiphospholipid Syndrome. <i>Journal of Clinical and Translational Science</i> , 2019 , 3, 14-14	0.4	78
33	Model Particulate Drug Carriers Modulate Leukocyte Adhesion in Human Blood Flows. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 6530-6540	5.5	3
32	Modified two-step emulsion solvent evaporation technique for fabricating biodegradable rod-shaped particles in the submicron size range. <i>Journal of Colloid and Interface Science</i> , 2018 , 518, 174-183	9.3	6
31	Presence of Rigid Red Blood Cells in Blood Flow Interferes with the Vascular Wall Adhesion of Leukocytes. <i>Langmuir</i> , 2018 , 34, 2363-2372	4	17

30	Vascular-targeted particle binding efficacy in the presence of rigid red blood cells: Implications for performance in diseased blood. <i>Biomicrofluidics</i> , 2018 , 12, 042217	3.2	4
29	PEGylation of model drug carriers enhances phagocytosis by primary human neutrophils. <i>Acta Biomaterialia</i> , 2018 , 79, 283-293	10.8	35
28	Exploring deformable particles in vascular-targeted drug delivery: Softer is only sometimes better. <i>Biomaterials</i> , 2017 , 124, 169-179	15.6	36
27	Interaction of Extracellular Vesicles with Endothelial Cells Under Physiological Flow Conditions. <i>Methods in Molecular Biology</i> , 2017 , 1545, 205-213	1.4	3
26	Neutrophil-Particle Interactions in Blood Circulation Drive Particle Clearance and Alter Neutrophil Responses in Acute Inflammation. <i>ACS Nano</i> , 2017 , 11, 10797-10807	16.7	49
25	IgA and IgM protein primarily drive plasma corona-induced adhesion reduction of PLGA nanoparticles in human blood flow. <i>Bioengineering and Translational Medicine</i> , 2017 , 2, 180-190	14.8	9
24	Effect of anticoagulants on the protein corona-induced reduced drug carrier adhesion efficiency in human blood flow. <i>Acta Biomaterialia</i> , 2017 , 48, 186-194	10.8	19
23	Evaluation of Receptor-Ligand Mechanisms of Dual-Targeted Particles to an Inflamed Endothelium. <i>Bioengineering and Translational Medicine</i> , 2016 , 1, 103-115	14.8	18
22	Vascular-targeted nanocarriers: design considerations and strategies for successful treatment of atherosclerosis and other vascular diseases. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016 , 8, 909-926	9.2	36
21	Dense nanoparticles exhibit enhanced vascular wall targeting over neutrally buoyant nanoparticles in human blood flow. <i>Acta Biomaterialia</i> , 2015 , 21, 99-108	10.8	24
20	Drug carrier interaction with blood: a critical aspect for high-efficient vascular-targeted drug delivery systems. <i>Therapeutic Delivery</i> , 2015 , 6, 915-34	3.8	8
19	Differential Impact of Plasma Proteins on the Adhesion Efficiency of Vascular-Targeted Carriers (VTCs) in Blood of Common Laboratory Animals. <i>Bioconjugate Chemistry</i> , 2015 , 26, 2419-28	6.3	15
18	Emergence and Utility of Nonspherical Particles in Biomedicine. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 4043-4059	3.9	47
17	In vivo evaluation of vascular-targeted spheroidal microparticles for imaging and drug delivery application in atherosclerosis. <i>Atherosclerosis</i> , 2014 , 237, 279-86	3.1	30
16	Extracellular vesicles as drug delivery systems: lessons from the liposome field. <i>Journal of Controlled Release</i> , 2014 , 195, 72-85	11.7	287
15	One-step fabrication of agent-loaded biodegradable microspheroids for drug delivery and imaging applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 116, 55-62	6	7
14	Plasma protein corona modulates the vascular wall interaction of drug carriers in a material and donor specific manner. <i>PLoS ONE</i> , 2014 , 9, e107408	3.7	28
13	Laminar shear stress elicit distinct endothelial cell E-selectin expression pattern via TNF α and IL-1 β activation. <i>Biotechnology and Bioengineering</i> , 2013 , 110, 999-1003	4.9	8

12	The margination propensity of ellipsoidal micro/nanoparticles to the endothelium in human blood flow. <i>Biomaterials</i> , 2013 , 34, 5863-71	15.6	91
11	Effect of PEGylation on ligand-based targeting of drug carriers to the vascular wall in blood flow. <i>Langmuir</i> , 2013 , 29, 11127-34	4	23
10	Margination propensity of vascular-targeted spheres from blood flow in a microfluidic model of human microvessels. <i>Langmuir</i> , 2013 , 29, 2530-5	4	101
9	Particle-cell dynamics in human blood flow: implications for vascular-targeted drug delivery. <i>Journal of Biomechanics</i> , 2012 , 45, 2822-8	2.9	51
8	Shear stress modulation of IL-1 β -induced E-selectin expression in human endothelial cells. <i>PLoS ONE</i> , 2012 , 7, e31874	3.7	40
7	Design of nanovectors for therapy and imaging of cardiovascular diseases. <i>Methodist DeBakey Cardiovascular Journal</i> , 2012 , 8, 13-7	2.1	9
6	Targeting therapeutics to the vascular wall in atherosclerosis--carrier size matters. <i>Atherosclerosis</i> , 2011 , 217, 364-70	3.1	85
5	Dynamic and cellular interactions of nanoparticles in vascular-targeted drug delivery (review). <i>Molecular Membrane Biology</i> , 2010 , 27, 190-205	3.4	35
4	Dynamic and cellular interactions of nanoparticles in vascular-targeted drug delivery. <i>Molecular Membrane Biology</i> , 2010 , 27, 312-27	3.4	41
3	Potential role of size and hemodynamics in the efficacy of vascular-targeted spherical drug carriers. <i>Biomaterials</i> , 2010 , 31, 1392-402	15.6	149
2	Fabrication of biodegradable spheroidal microparticles for drug delivery applications. <i>Journal of Controlled Release</i> , 2009 , 138, 235-42	11.7	55
1	Kinetics of LFA-1 mediated adhesion of human neutrophils to ICAM-1--role of E-selectin signaling post-activation. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 737-48	4.7	10