

Brigitta C Brott

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,044
citations

623734

14
h-index

434195

31
g-index

57
all docs

57
docs citations

57
times ranked

1672
citing authors

#	ARTICLE	IF	CITATIONS
1	Multisite Investigation of Outcomes With Implementation of CYP2C19 Genotype-Guided Antiplatelet Therapy After Percutaneous Coronary Intervention. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 181-191.	2.9	213
2	A nitric oxide releasing, self assembled peptide amphiphile matrix that mimics native endothelium for coating implantable cardiovascular devices. <i>Biomaterials</i> , 2010, 31, 1502-1508.	11.4	159
3	Recent advances in nanomaterials for therapy and diagnosis for atherosclerosis. <i>Advanced Drug Delivery Reviews</i> , 2021, 170, 142-199.	13.7	80
4	A hybrid biomimetic nanomatrix composed of electrospun polycaprolactone and bioactive peptide amphiphiles for cardiovascular implants. <i>Acta Biomaterialia</i> , 2011, 7, 225-233.	8.3	72
5	Clinical device-related article surface characterization of explanted endovascular stents: Evidence of <i>in vivo</i> corrosion. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 95B, 225-238.	3.4	45
6	The role of vascular calcification in inducing fatigue and fracture of coronary stents. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 292-304.	3.4	45
7	Stent overlapping and geometric curvature influence the structural integrity and surface characteristics of coronary nitinol stents. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 20, 227-236.	3.1	43
8	In-vivo corrosion and local release of metallic ions from vascular stents into surrounding tissue. <i>Journal of Invasive Cardiology</i> , 2010, 22, 528-35.	0.4	40
9	Multi-scale mechanical investigation of stainless steel and cobalt-chromium stents. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 40, 240-251.	3.1	36
10	Enhanced Human Endothelial Progenitor Cell Adhesion and Differentiation by a Bioinspired Multifunctional Nanomatrix. <i>Tissue Engineering - Part C: Methods</i> , 2013, 19, 375-385.	2.1	33
11	Stainless Steel Ions Stimulate Increased Thrombospondin-1-Dependent TGF-Beta Activation by Vascular Smooth Muscle Cells: Implications for In-Stent Restenosis. <i>Journal of Vascular Research</i> , 2010, 47, 309-322.	1.4	29
12	Risk of Major Adverse Cardiovascular Events and Major Hemorrhage Among White and Black Patients Undergoing Percutaneous Coronary Intervention. <i>Journal of the American Heart Association</i> , 2019, 8, e012874.	3.7	24
13	Effect of head posture on the healthy human carotid bifurcation hemodynamics. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 207-218.	2.8	17
14	Nitric oxide releasing nanomatrix gel treatment inhibits venous intimal hyperplasia and improves vascular remodeling in a rodent arteriovenous fistula. <i>Biomaterials</i> , 2022, 280, 121254.	11.4	15
15	Evaluation of ciprofloxacin and metronidazole encapsulated biomimetic nanomatrix gel on <i>Enterococcus faecalis</i> and <i>Treponema denticola</i> . <i>Biomaterials Research</i> , 2015, 19, 9.	6.9	14
16	Evaluation of the effect of expansion and shear stress on a self-assembled endothelium mimicking nanomatrix coating for drug eluting stents in vitro and in vivo. <i>Biofabrication</i> , 2014, 6, 035019.	7.1	13
17	Stress-Induced Cardiomyopathy Precipitated by COVID-19 and Influenza A Coinfection. <i>JACC: Case Reports</i> , 2020, 2, 1356-1358.	0.6	13
18	Novel Multifunctional Nanomatrix Reduces Inflammation in Dynamic Conditions in Vitro and Dilates Arteries ex Vivo. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5178-5187.	8.0	12

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19	Embozeneâ„¢ microspheres induced nonreperfused myocardial infarction in an experimental swine model. <i>Catheterization and Cardiovascular Interventions</i> , 2013, 81, 689-697.	1.7	11
20	Impact of Head Rotation on the Individualized Common Carotid Flow and Carotid Bifurcation Hemodynamics. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 783-789.	6.3	11
21	<i>In vivo</i> monitoring of the inflammatory response in a stented mouse aorta model. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 227-238.	4.0	11
22	Effects of Crushed Ticagrelor Versus Eptifibatide Bolus Plus Clopidogrel in Troponinâ€Negative Acute Coronary Syndrome Patients Undergoing Percutaneous Coronary Intervention: A Randomized Clinical Trial. <i>Journal of the American Heart Association</i> , 2019, 8, e012844.	3.7	11
23	Infarct density distribution by MRI in the porcine model of acute and chronic myocardial infarction as a potential method transferable to the clinic. <i>International Journal of Cardiovascular Imaging</i> , 2014, 30, 937-948.	1.5	10
24	Transdiaphragmatic Rupture of Hepatic Abscess Producing Purulent Pericarditis and Pericardial Tamponade. <i>Circulation</i> , 2015, 131, e1-2.	1.6	10
25	Ticagrelor and Eptifibatide Bolus Versus Ticagrelor and Eptifibatide Bolus With 2â€Hour Infusion in Highâ€Risk Acute Coronary Syndromes Patients Undergoing Early Percutaneous Coronary Intervention. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	10
26	Super-resolution technology to simultaneously improve optical & digital resolution of optical coherence tomography via deep learning. , 2020, 2020, 1879-1882.		10
27	Prevention of Myocardial Stunning During Percutaneous Coronary Interventions. <i>JACC: Cardiovascular Interventions</i> , 2015, 8, 302-304.	2.9	7
28	Safety of hydrophilic guidewires used for side-branch protection during stenting and proximal optimization technique in coronary bifurcation lesions. <i>Cardiovascular Revascularization Medicine</i> , 2016, 17, 456-462.	0.8	6
29	Myocardial tissue characterization by combining late gadolinium enhancement imaging and percent edema mapping: a novel T2 map-based MRI method in canine myocardial infarction. <i>European Radiology Experimental</i> , 2018, 2, 6.	3.4	5
30	Myocardial rupture after small acute myocardial infarction in the absence of coronary artery disease. <i>Cardiovascular Pathology</i> , 2018, 37, 26-29.	1.6	5
31	Evaluation of Viscoelastic Properties, Blood Coagulation, and Cellular Responses of a Temperature-Sensitive Gel for Hemostatic Application. <i>ACS Applied Bio Materials</i> , 2020, 3, 3137-3144.	4.6	4
32	Thromboaspiration and IIb/IIIa therapy in STEMI: Abciximab redux?. <i>Catheterization and Cardiovascular Interventions</i> , 2013, 82, 612-613.	1.7	3
33	Left Anterior Descending Coronary Artery Occlusion Secondary to Metastatic Squamous Cell Carcinoma Presenting as ST-Segmentâ€Elevation Myocardial Infarction. <i>Circulation</i> , 2014, 129, e652-3.	1.6	3
34	Age-independent myocardial infarct quantification by signal intensity percent infarct mapping in swine. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 911-920.	3.4	3
35	The MRI characteristics of the no-flow region are similar in reperfused and non-reperfused myocardial infarcts: an MRI and histopathology study in swine. <i>European Radiology Experimental</i> , 2017, 1, 2.	3.4	3
36	Drug-Eluting Balloon Therapy for In-Stent Restenosis of Drug-Eluting Stents. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 979-980.	2.9	3

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37	Histologic analysis of a covered stent implanted for pseudoaneurysm in a coronary artery. <i>Cardiovascular Pathology</i> , 2013, 22, e19-e21.	1.6	2
38	ST Elevations in the Era of COVID-19. <i>Case Reports in Cardiology</i> , 2020, 2020, 1-7.	0.2	2
39	Endothelium-Mimicking Nanomatrix Coating to Enhance Endothelialization after Left Atrial Appendage Closure Device Implantation. <i>ACS Applied Bio Materials</i> , 2021, 4, 4917-4924.	4.6	2
40	Head posture influences the geometric and hemodynamic features on the healthy human carotid bifurcation. , 2012, , .		1
41	Can femoral access bleeding outcomes be improved?. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 380-381.	1.7	1
42	A Bigger Artery Is Not Better. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1188-1190.	5.3	1
43	Abstract 4928: Natural Endothelium Mimicking Self-Assembled Nanomatrix for Drug Eluting Stent Applications. <i>Circulation</i> , 2008, 118, .	1.6	1
44	Subcutaneous Administration of a Nitric Oxide-Releasing Nanomatrix Gel Ameliorates Obesity and Insulin Resistance in High-Fat Diet-Induced Obese Mice. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19104-19115.	8.0	1
45	Adding aspirin to clopidogrel worsened outcomes in PCI patients receiving oral anticoagulants. <i>Annals of Internal Medicine</i> , 2013, 158, JC6.	3.9	0
46	Head Rotation Effects on the Flow and Hemodynamics of the Human Carotid Bifurcation. , 2013, , .		0
47	Review: Statins before coronary catheterization reduce contrast-induced acute kidney injury. <i>Annals of Internal Medicine</i> , 2014, 161, JC7.	3.9	0
48	Percutaneous coronary intervention: Ever closer to real world silver bullets!?. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 807-808.	1.7	0
49	Obesity and percutaneous coronary intervention outcomes: Beware the extremes. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 959-960.	1.7	0
50	Optimal DAPT duration: Each in their own time. <i>Catheterization and Cardiovascular Interventions</i> , 2015, 85, 41-42.	1.7	0
51	Metallic Stents: Biomechanical Analysis and In Vivo Investigation of the Vessel Inflammatory Response. <i>IFMBE Proceedings</i> , 2016, , 1081-1084.	0.3	0
52	The Return of Coronary Vasomotion After Bioresorbable Scaffold Implantation. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 742-744.	2.9	0
53	PS 04-23 NOVEL TARGETED ENDOTHELIAL CELL THERAPY FOR VASCULAR INJURY IN RODENT AND PORCINE MODELS. <i>Journal of Hypertension</i> , 2016, 34, e139.	0.5	0