

Bauer E Sumpio

List of Publications by Year in descending order

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103
papers

3,302
citations

159585

30
h-index

175258

52
g-index

104
all docs

104
docs citations

104
times ranked

3733
citing authors

#	ARTICLE	IF	CITATIONS
1	Cells in focus: endothelial cell. International Journal of Biochemistry and Cell Biology, 2002, 34, 1508-1512.	2.8	381
2	Foot Ulcers. New England Journal of Medicine, 2000, 343, 787-793.	27.0	158
3	Visceral Artery Aneurysms and Pseudoaneurysms—Should They All be Managed by Endovascular Techniques?. Annals of Vascular Diseases, 2013, 6, 687-693.	0.5	113
4	Role of p38 MAP kinase in endothelial cell alignment induced by fluid shear stress. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H189-H197.	3.2	105
5	Strain activation of bovine aortic smooth muscle cell proliferation and alignment: Study of strain dependency and the role of protein kinase A and C signaling pathways. , 1997, 170, 228-234.		94
6	Green Tea, the “Asian Paradox,” and Cardiovascular Disease. Journal of the American College of Surgeons, 2006, 202, 813-825.	0.5	93
7	Open repair, endovascular repair, and conservative management of true splenic artery aneurysms. Journal of Vascular Surgery, 2014, 60, 1667-1676.e1.	1.1	92
8	The role of interdisciplinary team approach in the management of the diabetic foot. Journal of Vascular Surgery, 2010, 51, 1504-1506.	1.1	90
9	Increased ambient pressure stimulates proliferation and morphologic changes in cultured endothelial cells. Journal of Cellular Physiology, 1994, 158, 133-139.	4.1	82
10	Effect of strain on human keratinocytes in vitro. Journal of Cellular Physiology, 1997, 173, 64-72.	4.1	81
11	Clinical implications of the angiosome model in peripheral vascular disease. Journal of Vascular Surgery, 2013, 58, 814-826.	1.1	80
12	Nicotine Enhances Human Vascular Endothelial Cell Expression of ICAM-1 and VCAM-1 Via Protein Kinase C, p38 Mitogen-Activated Protein Kinase, NF- κ B, and AP-1. Cardiovascular Toxicology, 2006, 6, 39-50.	2.7	72
13	Cyclic strain induces reorganization of integrin α 5 β 1 and α 2 β 1 in human umbilical vein endothelial cells. Journal of Cellular Biochemistry, 1997, 64, 505-513.	2.6	71
14	Vascular evaluation and arterial reconstruction of the diabetic foot. Clinics in Podiatric Medicine and Surgery, 2003, 20, 689-708.	0.6	71
15	Effects of different types of fluid shear stress on endothelial cell proliferation and survival. Journal of Cellular Physiology, 2007, 212, 244-251.	4.1	71
16	MAPKs (ERK $\frac{1}{2}$, p38) and AKT Can Be Phosphorylated by Shear Stress Independently of Platelet Endothelial Cell Adhesion Molecule-1 (CD31) in Vascular Endothelial Cells. Journal of Biological Chemistry, 2005, 280, 11185-11191.	3.4	68
17	Effects of increased ambient pressure on colon cancer cell adhesion. , 2000, 78, 47-61.		65
18	Economic development and diabetes prevalence in MENA countries: Egypt and Saudi Arabia comparison. World Journal of Diabetes, 2015, 6, 304.	3.5	65

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19	Consequences of hypogastric artery ligation, embolization, or coverage. <i>Journal of Vascular Surgery</i> , 2015, 62, 1340-1347.e1.	1.1	60
20	Role of mitogen-activated protein kinases in pulmonary endothelial cells exposed to cyclic strain. <i>Journal of Applied Physiology</i> , 2000, 89, 2391-2400.	2.5	58
21	Regulation of PDGF-B in Endothelial Cells Exposed to Cyclic Strain. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 349-355.	2.4	56
22	Exposure of endothelial cells to cyclic strain induces elevations of cytosolic Ca ²⁺ concentration through mobilization of intracellular and extracellular pools. <i>Biochemical Journal</i> , 1997, 326, 385-392.	3.7	54
23	Antiproliferative effect of elevated glucose in human microvascular endothelial cells. , 1998, 71, 491-501.		51
24	Role of PP2A in the regulation of p38 MAPK activation in bovine aortic endothelial cells exposed to cyclic strain. <i>Journal of Cellular Physiology</i> , 2003, 194, 349-355.	4.1	44
25	Involvement of S6 kinase and p38 mitogen activated protein kinase pathways in strain-induced alignment and proliferation of bovine aortic smooth muscle cells. <i>Journal of Cellular Physiology</i> , 2003, 195, 202-209.	4.1	41
26	Mitogen-activated protein phosphorylation in endothelial cells exposed to hyperosmolar conditions. , 2000, 76, 567-571.		40
27	Shear Stress and Cyclic Strain May Suppress Apoptosis in Endothelial Cells by Different Pathways. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2003, 10, 149-157.	1.7	40
28	Contemporary assessment of foot perfusion in patients with critical limb ischemia. <i>Seminars in Vascular Surgery</i> , 2014, 27, 3-15.	2.8	40
29	A comparison of open and endovascular revascularization for chronic mesenteric ischemia in a clinical decision model. <i>Journal of Vascular Surgery</i> , 2014, 60, 715-725.e2.	1.1	40
30	Cyclic strain stimulates isoform-specific PKC activation and translocation in cultured human keratinocytes. , 1997, 67, 327-337.		37
31	Functional parathyroid hormone receptors are present in an umbilical vein endothelial cell line. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E654-E662.	3.5	35
32	Induction of interleukin (IL)-1 β and β gene expression in human keratinocytes exposed to repetitive strain: Their role in strain-induced keratinocyte proliferation and morphological change. <i>Journal of Cellular Biochemistry</i> , 1998, 69, 95-103.	2.6	34
33	THE EXCITATION OF 8-METHOXYPSORALEN WITH VISIBLE LIGHT: REVERSED PHASE HPLC QUANTITATION OF MONOADDUCTS and CROSS-LINKS. <i>Photochemistry and Photobiology</i> , 1993, 57, 1007-1009.	2.5	33
34	Regulation of tPA in endothelial cells exposed to cyclic strain: role of CRE, AP-2, and SSRE binding sites. <i>American Journal of Physiology - Cell Physiology</i> , 1997, 273, C1441-C1448.	4.6	33
35	The Integrin-Mediated Cyclic Strain-Induced Signaling Pathway in Vascular Endothelial Cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2001, 8, 1-10.	1.7	33
36	Distal embolization during lower extremity endovascular interventions. <i>Journal of Vascular Surgery</i> , 2017, 66, 143-150.	1.1	30

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37	Extracellular signal-regulated kinases 1 and 2 activation in endothelial cells exposed to cyclic strain. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 276, H614-H622.	3.2	29
38	Cost-effectiveness of endovascular repair, open repair, and conservative management of splenic artery aneurysms. <i>Journal of Vascular Surgery</i> , 2015, 61, 1432-1440.	1.1	27
39	Decision analysis model of open repair versus endovascular treatment in patients with asymptomatic popliteal artery aneurysms. <i>Journal of Vascular Surgery</i> , 2014, 59, 651-662.e2.	1.1	26
40	Endovascular interventions decrease length of hospitalization and are cost-effective in acute mesenteric ischemia. <i>Journal of Vascular Surgery</i> , 2018, 68, 459-469.	1.1	26
41	Contemporary Evaluation and Management of the Diabetic Foot. <i>Scientifica</i> , 2012, 2012, 1-17.	1.7	25
42	The role of STAT-3 in the mediation of smooth muscle cell response to cyclic strain. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 1396-1406.	2.8	24
43	The Role of Interdisciplinary Team Approach in the Management of the Diabetic Foot. <i>Journal of the American Podiatric Medical Association</i> , 2010, 100, 309-311.	0.3	24
44	Management of Chronic Wounds: Diagnosis, Preparation, Treatment, and Follow-up. <i>Wounds</i> , 2017, 29, S19-S36.	0.5	24
45	Cyclic Strain Stimulates Endothelial Cell Proliferation: Characterization of Strain Requirements. <i>Endothelium: Journal of Endothelial Cell Research</i> , 1994, 2, 177-181.	1.7	23
46	Photoinhibition of smooth muscle cell migration: Potential therapy for restenosis. <i>Lasers in Surgery and Medicine</i> , 1993, 13, 4-11.	2.1	22
47	Role of integrins and focal adhesion kinase in the orientation of dermal fibroblasts exposed to cyclic strain. <i>International Wound Journal</i> , 2009, 6, 149-158.	2.9	22
48	Exposure of Endothelial Cells to Cyclic Strain Induces c-fos, fosB and c-jun But not jun B or jun D and Increases the Transcription Factor AP-1. <i>Endothelium: Journal of Endothelial Cell Research</i> , 1994, 2, 149-156.	1.7	21
49	Translocation of PKC isoforms in bovine aortic smooth muscle cells exposed to strain. <i>Journal of Cellular Biochemistry</i> , 2001, 80, 367-372.	2.6	19
50	Use of hyperspectral imaging to assess endothelial dysfunction in peripheral arterial disease. <i>Journal of Vascular Surgery</i> , 2016, 64, 1066-1073.	1.1	18
51	Shear Stress and Cyclic Strain May Suppress Apoptosis in Endothelial Cells by Different Pathways. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2003, 10, 149-157.	1.7	18
52	Role of Negative Pressure Wound Therapy in Treating Peripheral Vascular Graft Infections. <i>Vascular</i> , 2008, 16, 194-200.	0.9	17
53	Costs and complications of endovascular inferior vena cava filter retrieval. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2019, 7, 653-659.e1.	1.6	17
54	Diabetes Mellitus and Peripheral Vascular Disease. <i>Clinics in Podiatric Medicine and Surgery</i> , 2014, 31, 11-26.	0.6	16

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55	Improved mortality in treatment of patients with endovascular interventions for chronic mesenteric ischemia. <i>Journal of Vascular Surgery</i> , 2018, 67, 1805-1812.	1.1	16
56	Systemic and cell-specific mechanisms of vasculopathy induced by human immunodeficiency virus and highly active antiretroviral therapy. <i>Journal of Vascular Surgery</i> , 2017, 65, 849-859.	1.1	15
57	Management of Asymptomatic Popliteal Artery Aneurysms. <i>International Journal of Angiology</i> , 2019, 28, 005-010.	0.6	15
58	Cell signalling in vascular cells exposed to cyclic strain: the emerging role of protein phosphatases. <i>Biotechnology and Applied Biochemistry</i> , 2004, 39, 129.	3.1	13
59	Prosthetic Options Available for the Diabetic Lower Limb Amputee. <i>Clinics in Podiatric Medicine and Surgery</i> , 2014, 31, 173-185.	0.6	13
60	PECAM-1 phosphorylation and tissue factor expression in HUVECs exposed to uniform and disturbed pulsatile flow and chemical stimuli. <i>Journal of Vascular Surgery</i> , 2015, 61, 481-488.	1.1	12
61	Higher Inpatient Mortality for Women after Intervention for Lifestyle Limiting Claudication. <i>Annals of Vascular Surgery</i> , 2019, 58, 54-62.	0.9	12
62	Subclavian Aneurysm Presenting with Massive Hemoptysis: A Case Report and Review of the Literature. <i>International Journal of Angiology</i> , 2013, 22, 069-074.	0.6	11
63	Prognostic Value of Radiotracer-Based Perfusion Imaging in Critical Limb Ischemia Patients Undergoing Lower Extremity Revascularization. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1614-1624.	5.3	11
64	Cyclooxygenase Expression in Bovine Aortic Endothelial Cells Exposed to Cyclic Strain. <i>Endothelium: Journal of Endothelial Cell Research</i> , 1998, 6, 107-112.	1.7	10
65	Operative Management of Hilar Renal Artery Aneurysm in a Pregnant Patient. <i>Annals of Vascular Diseases</i> , 2015, 8, 242-245.	0.5	10
66	Negative pressure wound therapy as postoperative dressing in below knee amputation stump closure of patients with chronic venous insufficiency. <i>Wounds</i> , 2011, 23, 301-8.	0.5	10
67	Phosphatase PTEN is inactivated in bovine aortic endothelial cells exposed to cyclic strain. <i>Journal of Cellular Biochemistry</i> , 2007, 100, 515-526.	2.6	9
68	New Modalities in the Chronic Ischemic Diabetic Foot Management. <i>Clinics in Podiatric Medicine and Surgery</i> , 2014, 31, 27-42.	0.6	9
69	Percutaneous endovascular aneurysm repair in morbidly obese patients. <i>Journal of Vascular Surgery</i> , 2017, 65, 643-650.e1.	1.1	9
70	Popliteal Artery Entrapment Syndrome: Bilateral Lower Extremity Involvement. <i>Orthopedics</i> , 2018, 41, e295-e298.	1.1	8
71	Strain-induced dual alignment of L6 rat skeletal muscle cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 1998, 34, 609-612.	1.5	7
72	The Role of Lower Extremity Amputation in Chronic Limb-Threatening Ischemia. <i>International Journal of Angiology</i> , 2020, 29, 149-155.	0.6	7

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73	Frailty and outcomes following revascularization of lower-extremity peripheral artery disease: Insights from the Vascular Quality Initiative (VQI). <i>Vascular Medicine</i> , 2022, 27, 251-257.	1.5	7
74	Successful Treatment of a Proximal Type I Endoleak With HeliFX EndoAnchors. <i>Annals of Vascular Surgery</i> , 2014, 28, 737.e13-737.e17.	0.9	6
75	Venous Ulcer: Late Complication of a Traumatic Arteriovenous Fistula. <i>Annals of Vascular Surgery</i> , 2015, 29, 836.e1-836.e3.	0.9	6
76	May-Thurner syndrome and iliac arteriovenous fistula in an elderly woman. <i>Journal of Vascular Surgery Cases and Innovative Techniques</i> , 2016, 2, 46-49.	0.6	6
77	Overutilization of Cross-Sectional Imaging in the Lower Extremity Trauma Setting. <i>International Journal of Angiology</i> , 2018, 27, 023-028.	0.6	5
78	Safety and efficacy of venous ablation in octogenarians. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2019, 7, 685-692.	1.6	5
79	Use of Closed-Incision Negative-Pressure Therapy: Cardiothoracic and Vascular Surgery. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 31S-35S.	1.4	5
80	Cilostazol Inhibits Leukocyte Integrin Mac-1, Leading to a Potential Reduction in Restenosis After Coronary Stent Implantation. <i>Perspectives in Vascular Surgery and Endovascular Therapy</i> , 2005, 17, 265-267.	0.6	4
81	Application of Porter's Five Forces Model and generic strategies for vascular surgery: should be stuck in the middle?. <i>Vascular</i> , 2013, 21, 149-156.	0.9	4
82	A clinical decision model for selecting the most appropriate therapy for uncomplicated chronic dissections of the descending aorta. <i>Journal of Vascular Surgery</i> , 2014, 60, 20-30.	1.1	4
83	Increased mortality in octogenarians treated for lifestyle limiting claudication. <i>Catheterization and Cardiovascular Interventions</i> , 2018, 91, 1331-1338.	1.7	4
84	The effect of increasing catheter distance from the deep junction on the outcomes of radiofrequency vein ablation. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2018, 6, 614-620.	1.6	4
85	Regulation of Yes-Associated Protein by Laminar Flow. <i>Annals of Vascular Surgery</i> , 2018, 52, 183-191.	0.9	4
86	A survey of vascular specialists'™ practice patterns of inferior vena cava filter placement and retrieval. <i>Vascular</i> , 2019, 27, 291-298.	0.9	4
87	A Giant Superior Mesenteric Artery Aneurysm Mimicking an Abdominal Aortic Aneurysm. <i>Aorta</i> , 2013, 1, 52-56.	0.5	3
88	Effect of Pulsatile and Continuous Flow on Yes-Associated Protein. <i>International Journal of Angiology</i> , 2014, 23, 183-186.	0.6	3
89	The effect of commercial insurance policies on outcomes of venous ablation. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2018, 6, 331-337.e1.	1.6	3
90	Location of reflux in the saphenous vein does not affect outcomes of vein ablation. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2021, 9, 932-937.	1.6	3

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91	Optimizing Cardiovascular Benefits of Exercise: A Review of Rodent Models. International Journal of Angiology, 2013, 22, 013-022.	0.6	2
92	Acute Limb Ischemia in an 8-Year-Old Patient: A Case Report. Annals of Vascular Surgery, 2018, 51, 327.e1-327.e8.	0.9	2
93	Popliteal Artery Occlusion with Collateral Blood Flow in a Reducible Knee Dislocation During Pregnancy. JBJS Case Connector, 2021, 11, .	0.3	2
94	Induction of interleukin (IL) $\alpha 1$ and $\beta 2$ gene expression in human keratinocytes exposed to repetitive strain: Their role in strain-induced keratinocyte proliferation and morphological change. Journal of Cellular Biochemistry, 1998, 69, 95-103.	2.6	2
95	Endovascular aneurysm repair with inferior mesenteric artery chimney in a high-risk patient with abdominal aortic aneurysm and iliac occlusion. Journal of Vascular Surgery Cases and Innovative Techniques, 2022, 8, 28-31.	0.6	2
96	Too small to fail: The prisoner's dilemma. Journal of Vascular Surgery, 2013, 57, 1415-1421.	1.1	1
97	Explantation of infected aortic aneurysm and endograft with ascending aorta to mesenteric bypass for mesenteric ischemia. Journal of Vascular Surgery, 2017, 65, 219-223.	1.1	1
98	Heterogeneity in the guidelines for the management of diabetic foot disease in the Caribbean. PLOS Global Public Health, 2022, 2, e0000446.	1.6	1
99	Variante d'artère poplitée piégée impliquant le chef latéral du muscle gastrocnémien : A propos d'un cas. Annales De Chirurgie Vasculaire, 2009, 23, 579.e7-579.e11.	0.0	0
100	Characterization of Extracellular Signal-Regulated Kinase 5 Levels in Human Umbilical Vein Endothelial Cells Exposed to Disturbed and Uniform Flow. International Journal of Angiology, 2014, 23, 187-192.	0.6	0
101	Role of ligand specific integrins in endothelial cell alignment and elongation induced by cyclic strain. FASEB Journal, 2007, 21, A752.	0.5	0
102	The Effects of Freezing versus Supercooling on the Vascular Smooth Muscle Cell. FASEB Journal, 2007, 21, A69.	0.5	0
103	Drug-Eluting Stents: New Tools for the Armamentarium Against Peripheral Arterial Disease. Surgical Technology International, 2015, 27, 200-7.	0.2	0