

# Timothy M Wick

## List of Publications by Year in descending order

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33  
papers

1,291  
citations

430874

18  
h-index

477307

29  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-responsive nanogel multilayers of poly(N-vinylcaprolactam) for topical drug delivery. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 589-602.	9.4	67
2	Bone regeneration from human mesenchymal stem cells on porous hydroxyapatite-PLGA-collagen bioactive polymer scaffolds. <i>Bio-Medical Materials and Engineering</i> , 2017, 28, 671-685.	0.6	11
3	Mechanical properties and osteogenic potential of hydroxyapatite-PLGA-collagen biomaterial for bone regeneration. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1139-1154.	3.5	26
4	Development of gellan gum containing formulations for transdermal drug delivery: Component evaluation and controlled drug release using temperature responsive nanogels. <i>International Journal of Pharmaceutics</i> , 2016, 509, 465-476.	5.2	67
5	Exercise Medicine for Osteoarthritis: Research Strategies to Maximize Effectiveness. <i>Arthritis Care and Research</i> , 2016, 68, 288-291.	3.4	9
6	Transient Growth Factor Stimulation Improves Chondrogenesis in Static Culture and Under Dynamic Conditions in a Novel Shear and Perfusion Bioreactor. <i>Cellular and Molecular Bioengineering</i> , 2015, 8, 267-277.	2.1	10
7	Novel synthesis and characterization of a collagen-based biopolymer initiated by hydroxyapatite nanoparticles. <i>Acta Biomaterialia</i> , 2015, 15, 181-190.	8.3	31
8	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
9	A Novel Multi-Stimuli Bioreactor for Tissue Engineering Cartilage. , 2013, , .		0
10	A New Animal Model for Assessing Cartilage Repair and Regeneration at a Nonarticular Site. <i>Tissue Engineering - Part A</i> , 2010, 16, 2321-2330.	3.1	18
11	Protocol Development for Vitrification of Tissue-Engineered Cartilage. <i>BioProcessing: Advances and Trends in Biological Product Development</i> , 2010, 8, 29-36.	0.1	4
12	Histamine increases sickle erythrocyte adherence to endothelium. <i>British Journal of Haematology</i> , 2005, 132, 051220012327005.	2.5	17
13	Endothelial Cell-Smooth Muscle Cell Co-Culture in a Perfusion Bioreactor System. <i>Annals of Biomedical Engineering</i> , 2005, 33, 920-928.	2.5	67
14	Effect of Low Oxygen Tension on Tissue-Engineered Cartilage Construct Development in the Concentric Cylinder Bioreactor. <i>Tissue Engineering</i> , 2004, 10, 825-832.	4.6	69
15	Perfusion Bioreactor for Small Diameter Tissue-Engineered Arteries. <i>Tissue Engineering</i> , 2004, 10, 930-941.	4.6	136
16	Sickle cell adhesion depends on hemodynamics and endothelial activation. <i>Translational Research</i> , 2004, 144, 260-267.	2.3	34
17	Inflammatory mediators promote strong sickle cell adherence to endothelium under venular flow conditions. <i>American Journal of Hematology</i> , 2003, 73, 215-224.	4.1	36
18	Concentric Cylinder Bioreactor for Production of Tissue Engineered Cartilage: Effect of Seeding Density and Hydrodynamic Loading on Construct Development. <i>Biotechnology Progress</i> , 2003, 19, 510-521.	2.6	153

#	ARTICLE	IF	CITATIONS
19	Sickle erythrocyte adherence to endothelium at low shear: Role of shear stress in propagation of vaso-occlusion. American Journal of Hematology, 2002, 70, 216-227.	4.1	59
20	Computational Fluid Dynamics Modeling of Steady-State Momentum and Mass Transport in a Bioreactor for Cartilage Tissue Engineering. Biotechnology Progress, 2002, 18, 951-963.	2.6	147
21	Activation of Vascular Endothelial Cell Adhesion Molecule Expression by Sickle Blood Cells. Fetal and Pediatric Pathology, 2001, 20, 47-72.	0.3	38
22	RBC Adhesion to Cremaster Endothelium in Mice with Abnormal Hemoglobin is Increased by Topical Endotoxin. Annals of the New York Academy of Sciences, 1998, 850, 391-393.	3.8	3
23	Plasmodium falciparum: Soluble Thrombospondin Increases Cytoadherence of Parasitized Erythrocytes to Human Microvascular Endothelium under Shear Flow Conditions. Experimental Parasitology, 1997, 87, 69-72.	1.2	14
24	Molecular basis of sickle cell-endothelial cell interactions. Current Opinion in Hematology, 1996, 3, 118-124.	2.5	63
25	Hemodynamic modulation of monocytic cell adherence to vascular endothelium. Annals of Biomedical Engineering, 1996, 24, 382-393.	2.5	39
26	Inhibition of plasma-mediated adherence of sickle erythrocytes to microvascular endothelium by conformationally constrained RGD-containing peptides. , 1996, 53, 92-98.		20
27	Inhibition of plasma-mediated adherence of sickle erythrocytes to microvascular endothelium by conformationally constrained RGD-containing peptides. American Journal of Hematology, 1996, 53, 92-98.	4.1	1
28	Unusually large von willebrand factor multimers preferentially promote young sickle and nonsickle erythrocyte adhesion to endothelial cells. American Journal of Hematology, 1993, 42, 284-292.	4.1	87
29	Prolonged contact wild blood alters surgical gown permeability. American Journal of Infection Control, 1993, 21, 249-256.	2.3	20
30	Plasmodium fragile: Cytoadherence of parasitized rhesus monkey erythrocytes to human endothelial cells under shear flow conditions. Experimental Parasitology, 1992, 74, 228-231.	1.2	3
31	Cytoadherence of Plasmodium Falciparum-Infected Erythrocytes to Human Umbilical Vein and Human Dermal Microvascular Endothelial Cells under Shear Conditions. American Journal of Tropical Medicine and Hygiene, 1991, 45, 578-586.	1.4	24
32	Optimization of catheter placement for convection-enhanced delivery to brain tumors. F1000Research, 0, 10, 18.	1.6	2
33	Catheter placement selection for convection-enhanced delivery of therapeutic agents to brain tumors. F1000Research, 0, 9, 1415.	1.6	3