

Kem A Rogers

List of Publications by Citations

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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.

71
papers

2,285
citations

24
h-index

47
g-index

75
ext. papers

2,469
ext. citations

4.3
avg, IF

4.55
L-index

#	Paper	IF	Citations
71	Retinoic acid induces embryonal carcinoma cells to differentiate into neurons and glial cells. <i>Journal of Cell Biology</i> , 1982 , 94, 253-62	7.3	721
70	Enzyme-sensitive magnetic resonance imaging targeting myeloperoxidase identifies active inflammation in experimental rabbit atherosclerotic plaques. <i>Circulation</i> , 2009 , 120, 592-9	16.7	130
69	Control of calcium oxalate crystal growth by face-specific adsorption of an osteopontin phosphopeptide. <i>Journal of the American Chemical Society</i> , 2007 , 129, 14946-51	16.4	112
68	alpha5beta1 integrin expression and luminal edge fibronectin matrix assembly by smooth muscle cells after arterial injury. <i>American Journal of Pathology</i> , 2000 , 156, 453-65	5.8	72
67	Specific adsorption of osteopontin and synthetic polypeptides to calcium oxalate monohydrate crystals. <i>Biophysical Journal</i> , 2007 , 93, 1768-77	2.9	71
66	Cellular localization of P-glycoprotein in brain versus gonadal capillaries. <i>Journal of Histochemistry and Cytochemistry</i> , 1996 , 44, 679-85	3.4	67
65	Design and implementation of an online systemic human anatomy course with laboratory. <i>Anatomical Sciences Education</i> , 2015 , 8, 53-62	6.8	59
64	Preferential orientation of centrioles toward the heart in endothelial cells of major blood vessels is reestablished after reversal of a segment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1985 , 82, 3272-6	11.5	52
63	Cholesterol-fed and casein-fed rabbit models of atherosclerosis. Part 1: Differing lesion area and volume despite equal plasma cholesterol levels. <i>Arteriosclerosis and Thrombosis: A Journal of Vascular Biology</i> , 1994 , 14, 95-104		51
62	Vascularization and microvascular permeability in solid versus cell-suspension embryonic neural grafts. <i>Journal of Neurosurgery</i> , 1994 , 81, 272-83	3.2	50
61	Angiotensin II type 1 receptor blocker inhibits arterial calcification in a pre-clinical model. <i>Cardiovascular Research</i> , 2011 , 90, 165-70	9.9	45
60	Crystallization of calcium oxalates is controlled by molecular hydrophilicity and specific polyanion-crystal interactions. <i>Langmuir</i> , 2009 , 25, 11635-46	4	40
59	n-3 fatty acid incorporation into LDL particles renders them more susceptible to oxidation in vitro but not necessarily more atherogenic in vivo. <i>Arteriosclerosis and Thrombosis: A Journal of Vascular Biology</i> , 1994 , 14, 1170-6		40
58	The p110delta isoform of PI3K differentially regulates beta1 and beta2 integrin-mediated monocyte adhesion and spreading and modulates diapedesis. <i>Microcirculation</i> , 2006 , 13, 439-56	2.9	38
57	The development and assessment of an online microscopic anatomy laboratory course. <i>Anatomical Sciences Education</i> , 2013 , 6, 246-56	6.8	34
56	Crystallization kinetics of calcium oxalate hydrates studied by scanning confocal interference microscopy. <i>Journal of Crystal Growth</i> , 2006 , 295, 148-157	1.6	34
55	Development of aortic valve sclerosis in a rabbit model of atherosclerosis: an immunohistochemical and histological study. <i>Journal of Heart Valve Disease</i> , 2005 , 14, 365-75		34

54	Smoothelin-positive cells in human and porcine semilunar valves. <i>Histochemistry and Cell Biology</i> , 2003 , 120, 307-17	2.4	33
53	Mixed methods student evaluation of an online systemic human anatomy course with laboratory. <i>Anatomical Sciences Education</i> , 2016 , 9, 272-85	6.8	33
52	Differential expression of gap junctions in neurons and astrocytes derived from P19 embryonal carcinoma cells. <i>Genesis</i> , 1997 , 21, 187-200		31
51	Kinetics of calcium oxalate crystal growth in the presence of osteopontin isoforms: an analysis by scanning confocal interference microscopy. <i>Calcified Tissue International</i> , 2009 , 84, 240-8	3.9	30
50	Dietary fish oil. Influence on lesion regression in the porcine model of atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 688-94	9.4	28
49	Comparison of gadofluorine-M and Gd-DTPA for noninvasive staging of atherosclerotic plaque stability using MRI. <i>Circulation: Cardiovascular Imaging</i> , 2009 , 2, 226-34	3.9	26
48	Hydrostatic pressure-induced internalization of flagellar axonemes, disassembly, and reutilization during flagellar regeneration in <i>Polytomella</i> . <i>Experimental Cell Research</i> , 1978 , 117, 313-24	4.2	25
47	Improving Online Interactions: Lessons from an Online Anatomy Course with a Laboratory for Undergraduate Students. <i>Anatomical Sciences Education</i> , 2018 , 11, 592-604	6.8	24
46	The distribution of centrosomes in endothelial cells of non-wounded and wounded aortic organ cultures. <i>Cell and Tissue Research</i> , 1986 , 243, 223-7	4.2	23
45	The anatomy of E-Learning tools: Does software usability influence learning outcomes?. <i>Anatomical Sciences Education</i> , 2016 , 9, 378-90	6.8	21
44	Interleukin-1beta reduces transcellular monocyte diapedesis and compromises endothelial adherens junction integrity. <i>Microcirculation</i> , 2005 , 12, 563-79	2.9	21
43	The distribution of fibro-fatty atherosclerotic lesions in the aortae of casein- and cholesterol-fed rabbits. <i>Atherosclerosis</i> , 1993 , 99, 121-31	3.1	21
42	Embryonic and fetal rat myoblasts form different muscle fiber types in an ectopic in vivo environment. <i>Developmental Dynamics</i> , 2002 , 224, 253-66	2.9	20
41	A method for examining the endothelial cytoskeleton in situ using immunofluorescence. <i>Journal of Histochemistry and Cytochemistry</i> , 1983 , 31, 1317-20	3.4	19
40	Microtubules, colchicine, and lymphocyte blastogenesis. <i>Canadian Journal of Biochemistry</i> , 1979 , 57, 673-83		19
39	Mimicking the biomolecular control of calcium oxalate monohydrate crystal growth: effect of contiguous glutamic acids. <i>Langmuir</i> , 2012 , 28, 12182-90	4	17
38	Transendothelial migration of monocytes in rat aorta: distribution of F-actin, alpha-catenin, LFA-1, and PECAM-1. <i>Biotechnic and Histochemistry</i> , 1999 , 74, 276-93	1.8	17
37	The distribution of microfilament bundles in rabbit endothelial cells in the intact aorta and during wound healing in situ. <i>Biochemistry and Cell Biology</i> , 1989 , 67, 553-62	3.6	17

36	Clinical field-strength MRI of amyloid plaques induced by low-level cholesterol feeding in rabbits. <i>Brain</i> , 2009 , 132, 1346-54	11.2	15
35	Dermal fibroblasts cultured on small intestinal submucosa: Conditions for the formation of a neotissue. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 75, 895-906	5.4	14
34	E-learning, dual-task, and cognitive load: The anatomy of a failed experiment. <i>Anatomical Sciences Education</i> , 2016 , 9, 186-96	6.8	14
33	Academic nightmares: Predatory publishing. <i>Anatomical Sciences Education</i> , 2017 , 10, 392-394	6.8	13
32	Statin treatment of hypercholesterolemic-induced aortic valve sclerosis. <i>Cardiovascular Pathology</i> , 2011 , 20, 84-92	3.8	13
31	Educational software usability: Artifact or Design?. <i>Anatomical Sciences Education</i> , 2017 , 10, 190-199	6.8	11
30	A unique 3D in vitro cellular invasion assay. <i>Journal of Biomolecular Screening</i> , 2012 , 17, 1088-95		11
29	Early identification of aortic valve sclerosis using iron oxide enhanced MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 31, 110-6	5.6	11
28	MRI of early- and late-stage arterial remodeling in a low-level cholesterol-fed rabbit model of atherosclerosis. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 1010-9	5.6	11
27	An In Vitro Hemodynamic Flow System to Study the Effects of Quantified Shear Stresses on Endothelial Cells. <i>Cardiovascular Engineering and Technology</i> , 2016 , 7, 44-57	2.2	10
26	Vascular smooth muscle cells as a valvular interstitial cell surrogate in heart valve tissue engineering. <i>Tissue Engineering - Part A</i> , 2009 , 15, 3889-97	3.9	10
25	The distribution of centrosomes in migrating endothelial cells during wound healing in situ. <i>Biochemistry and Cell Biology</i> , 1992 , 70, 1135-41	3.6	9
24	Human sympathetic preganglionic neurons and motoneurons retrogradely labelled with Dil. <i>Journal of the Autonomic Nervous System</i> , 1998 , 70, 123-8		8
23	Aortic valve interstitial cells: an evaluation of cell viability and cell phenotype over time. <i>Journal of Heart Valve Disease</i> , 2002 , 11, 881-7		8
22	Probucol, but not MaxEPA fish oil, inhibits mononuclear cell adhesion to the aortic intima in the rat model of atherosclerosis. <i>Biochemistry and Cell Biology</i> , 1995 , 73, 283-8	3.6	7
21	In Vivo MRI of Amyloid Plaques in a Cholesterol-Fed Rabbit Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018 , 64, 911-923	4.3	6
20	Quantification of Morphological Modulation, F-Actin Remodeling and PECAM-1 (CD-31) Re-distribution in Endothelial Cells in Response to Fluid-Induced Shear Stress under Various Flow Conditions. <i>Journal of Biomechanical Engineering</i> , 2019 ,	2.1	5
19	The skeletons in our closet: E-learning tools and what happens when one side does not fit all. <i>Anatomical Sciences Education</i> , 2017 , 10, 570-588	6.8	5

18	Radial artery as an autologous cell source for valvular tissue engineering efforts. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 78, 383-93	5.4	5
17	The in vivo diagnosis of early-stage aortic valve sclerosis using magnetic resonance imaging in a rabbit model. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 825-31	5.6	4
16	Effects of injection mechanics, pH of infusate and 6-hydroxydopamine on cerebromicrovascular permeability in rats. <i>Brain Research</i> , 1991 , 539, 271-5	3.7	4
15	MRI and histopathologic study of a novel cholesterol-fed rabbit model of xanthogranuloma. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 673-82	5.6	4
14	Close Association of Myeloperoxidase-Producing Activated Microglia with Amyloid Plaques in Hypercholesterolemic Rabbits. <i>Journal of Alzheimer's Disease</i> , 2019 , 67, 1221-1234	4.3	3
13	Wall Shear Stress Determination in a Small-Scale Parallel Plate Flow Chamber Using Laser Doppler Velocimetry Under Laminar, Pulsatile and Low-Reynolds Number Turbulent Flows. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018 , 140,	2.1	3
12	Expectations and Perceptions of StudentsUBasic Science Knowledge: Through the Lens of Clerkship Directors. <i>Medical Science Educator</i> , 2020 , 30, 355-365	0.7	2
11	Effects of an angiotensin II type 1 receptor blocker on aortic valve sclerosis in a preclinical model. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 1096-103	3.8	2
10	Tissue Engineering the Aortic Valve Spongiosa Using Matrigel-Cell-Scaffold-Composites (MCSCs). <i>FASEB Journal</i> , 2008 , 22, 903.6	0.9	1
9	Brain health: Key to health, productivity, and well-being. <i>Alzheimer's and Dementia</i> , 2021 ,	1.2	1
8	Are Clerks Proficient in the Basic Sciences? Assessment of Third-Year Medical StudentsUBasic Science Knowledge Prior to and at the Completion of Core Clerkship Rotations. <i>Medical Science Educator</i> , 2021 , 31, 709-722	0.7	0
7	Proliferation and extracellular matrix protein expression in vascular smooth muscle cells cultured for aortic valve tissue engineering. <i>FASEB Journal</i> , 2008 , 22, 585.3	0.9	
6	Learning Anatomy: Using the Blooming Anatomy Tool to determine how course delivery and duration affect the performance of anatomy students. <i>FASEB Journal</i> , 2018 , 32, 507.29	0.9	
5	Are We Effectively Teaching the Basic Sciences? The Influence of Pedagogical Methods on 3rd Year Medical StudentsUBasic Science Knowledge Retention in an Undergraduate Medical Education Curriculum. <i>FASEB Journal</i> , 2019 , 33, 438.7	0.9	
4	Development of a synchronous online microscopic anatomy course using virtual microscopy. <i>FASEB Journal</i> , 2010 , 24, 825.5	0.9	
3	The Assessment of an Online Microscopic Anatomy Laboratory Course. <i>FASEB Journal</i> , 2011 , 25, 10.5	0.9	
2	A Comparison of Commercial Anatomy Educational Software. <i>FASEB Journal</i> , 2012 , 26, 530.13	0.9	
1	Do Lectures Matter? Lecture Attendance in Online and Face to Face Histology Courses. <i>FASEB Journal</i> , 2012 , 26, 528.5	0.9	

