

May J Reed

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,600
citations

257101

24
h-index

197535

49
g-index

54
all docs

54
docs citations

54
times ranked

4229
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipopolysaccharide-induced blood-brain barrier disruption: roles of cyclooxygenase, oxidative stress, neuroinflammation, and elements of the neurovascular unit. <i>Journal of Neuroinflammation</i> , 2015, 12, 223.	3.1	405
2	The S1 protein of SARS-CoV-2 crosses the blood-brain barrier in mice. <i>Nature Neuroscience</i> , 2021, 24, 368-378.	7.1	295
3	TGF- β 1 induces the expression of type I collagen and SPARC, and enhances contraction of collagen gels, by fibroblasts from young and aged donors. <i>Journal of Cellular Physiology</i> , 1994, 158, 169-179.	2.0	179
4	Impaired Angiogenesis in Aging Is Associated with Alterations in Vessel Density, Matrix Composition, Inflammatory Response, and Growth Factor Expression. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 1119-1130.	1.3	141
5	Healthy aging and the blood-brain barrier. <i>Nature Aging</i> , 2021, 1, 243-254.	5.3	116
6	Report: NIA Workshop on Measures of Physiologic Resiliencies in Human Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 980-990.	1.7	111
7	The Effects of Aging on the Molecular and Cellular Composition of the Prostate Microenvironment. <i>PLoS ONE</i> , 2010, 5, e12501.	1.1	104
8	Impaired migration, integrin function, and actin cytoskeletal organization in dermal fibroblasts from a subset of aged human donors. <i>Mechanisms of Ageing and Development</i> , 2001, 122, 1203-1220.	2.2	100
9	Association of Radiologic Indicators of Frailty With 1-Year Mortality in Older Trauma Patients. <i>JAMA Surgery</i> , 2017, 152, e164604.	2.2	96
10	The extracellular matrix of the blood-brain barrier: structural and functional roles in health, aging, and Alzheimer's disease. <i>Tissue Barriers</i> , 2019, 7, 1651157.	1.6	85
11	The effect of aging on the cutaneous microvasculature. <i>Microvascular Research</i> , 2015, 100, 25-31.	1.1	80
12	Impaired Angiogenesis in the Aged. <i>Science of Aging Knowledge Environment: SAGE KE</i> , 2004, 2004, 7pe-7.	0.9	72
13	Inhibition of TIMP1 enhances angiogenesis in vivo and cell migration in vitro. <i>Microvascular Research</i> , 2003, 65, 9-17.	1.1	71
14	Aging-related alterations in the extracellular matrix modulate the microenvironment and influence tumor progression. <i>International Journal of Cancer</i> , 2010, 127, 2739-2748.	2.3	68
15	Anesthesia, Microcirculation, and Wound Repair in Aging. <i>Anesthesiology</i> , 2014, 120, 760-772.	1.3	60
16	Clinical approach to chronic wound management in older adults. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 2327-2334.	1.3	49
17	The effects of aging on tumor growth and angiogenesis are tumor-cell dependent. <i>International Journal of Cancer</i> , 2007, 120, 753-760.	2.3	44
18	Frailty assessment: from clinical to radiological tools. <i>British Journal of Anaesthesia</i> , 2019, 123, 37-50.	1.5	44

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19	Hyaluronan enhances wound repair and increases collagen <scp>III</scp> in aged dermal wounds. Wound Repair and Regeneration, 2014, 22, 521-526.	1.5	38
20	Association of Brain Atrophy and Masseter Sarcopenia With 1-Year Mortality in Older Trauma Patients. JAMA Surgery, 2019, 154, 716.	2.2	35
21	Culture of murine aortic explants in 3-dimensional extracellular matrix: A novel, miniaturized assay of angiogenesis in vitro. Microvascular Research, 2007, 73, 248-252.	1.1	34
22	Increased Hyaluronan and TSG-6 in Association with Neuropathologic Changes of Alzheimer's Disease. Journal of Alzheimer's Disease, 2019, 67, 91-102.	1.2	33
23	The Aged Microenvironment Influences the Tumorigenic Potential of Malignant Prostate Epithelial Cells. Molecular Cancer Research, 2019, 17, 321-331.	1.5	32
24	The Effects of Normal Aging on Regional Accumulation of Hyaluronan and Chondroitin Sulfate Proteoglycans in the Mouse Brain. Journal of Histochemistry and Cytochemistry, 2018, 66, 697-707.	1.3	27
25	Collagen Extracts Derived From Young and Aged Mice Demonstrate Different Structural Properties and Cellular Effects in Three-Dimensional Gels. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2010, 65A, 209-218.	1.7	22
26	Comparison of bedside screening methods for frailty assessment in older adult trauma patients in the emergency department. American Journal of Emergency Medicine, 2019, 37, 12-18.	0.7	21
27	Enhanced angiogenesis characteristic of SPARC-null mice disappears with age. Journal of Cellular Physiology, 2005, 204, 800-807.	2.0	20
28	Cleavage of hyaluronan is impaired in aged dermal wounds. Matrix Biology, 2013, 32, 45-51.	1.5	17
29	The microvascular extracellular matrix in brains with Alzheimer's disease neuropathologic change (ADNC) and cerebral amyloid angiopathy (CAA). Fluids and Barriers of the CNS, 2020, 17, 60.	2.4	16
30	Wound Repair in Aging: A Review. , 2003, 78, 217-238.		15
31	Microvasculature of the Mouse Cerebral Cortex Exhibits Increased Accumulation and Synthesis of Hyaluronan With Aging. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, glw213.	1.7	15
32	Thresholds and Mortality Associations of Paraspinous Muscle Sarcopenia in Older Trauma Patients. JAMA Surgery, 2020, 155, 662.	2.2	14
33	Age-related differences in repair of dermal wounds and myocardial infarcts attenuate during the later stages of healing. In Vivo, 2006, 20, 801-6.	0.6	14
34	Creating the Next Generation of Translational Geroscience. Journal of the American Geriatrics Society, 2019, 67, 1934-1939.	1.3	13
35	Endothelial Precursor Cells. Stem Cell Reviews and Reports, 2007, 3, 218-225.	5.6	12
36	Older adults and high-risk medication administration in the emergency department. Drug, Healthcare and Patient Safety, 2017, Volume 9, 105-112.	1.0	12

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37	The neurovascular extracellular matrix in health and disease. <i>Experimental Biology and Medicine</i> , 2021, 246, 835-844.	1.1	11
38	The Effect of Computerized Physician Order Entry Template Modifications on the Administration of High-Risk Medications in Older Adults in the Emergency Department. <i>Drugs and Aging</i> , 2017, 34, 793-801.	1.3	9
39	Trauma Providers'™ Perceptions of Frailty Assessment: A Mixed-Methods Analysis of Knowledge, Attitudes, and Beliefs. <i>Southern Medical Journal</i> , 2019, 112, 159-163.	0.3	9
40	Hyaluronan in aged collagen matrix increases prostate epithelial cell proliferation. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015, 51, 50-58.	0.7	8
41	Frailty status as a potential factor in increased postoperative opioid use in older adults. <i>BMC Geriatrics</i> , 2021, 21, 189.	1.1	8
42	A Rapid Method to Preoperatively Assess Frailty for Older Patients with Pelvic Floor Conditions. <i>Journal of Urology</i> , 2020, 203, 1172-1177.	0.2	8
43	Utility of Geriatric Assessment in the Projection of Early Mortality Following Hip Fracture in the Elderly Patients. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2018, 9, 215145931881397.	0.6	7
44	Appendicular Lean Mass, Grip Strength, and the Development of Hospital-Associated Activities of Daily Living Disability Among Older Adults in the Health ABC Study. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1398-1404.	1.7	7
45	Perspectives on recovery from older adult trauma survivors living in rural areas. <i>Trauma Surgery and Acute Care Open</i> , 2022, 7, e000881.	0.8	5
46	Angiogenesis In Vitro Utilizing Murine Vascular Explants in Miniaturized 3-Dimensional Collagen Gels. <i>The Open Circulation & Vascular Journal</i> , 2011, 4, 12-17.	0.4	4
47	B16/F10 tumors in aged 3D collagen in vitro simulate tumor growth and gene expression in aged mice in vivo. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013, 49, 395-399.	0.7	3
48	Assessment of Osteoporosis in Injured Older Women Admitted to a Safety-Net Level One Trauma Center: A Unique Opportunity to Fulfill an Unmet Need. <i>Current Gerontology and Geriatrics Research</i> , 2017, 2017, 1-6.	1.6	2
49	Nitric oxide effects on the function of aged cells ex vivo and in vivo. <i>In Vivo</i> , 2008, 22, 673-9.	0.6	2
50	Liver Fibrosis Marker and Postoperative Mortality in Patients Without Overt Liver Disease. <i>Anesthesia and Analgesia</i> , 2022, 135, 957-966.	1.1	2
51	Miniaturized Assays of Angiogenesis In Vitro. <i>Methods in Molecular Biology</i> , 2012, 843, 87-98.	0.4	0
52	Perioperative Management of Delirium in Geriatric Patients. <i>Current Anesthesiology Reports</i> , 2019, 9, 395-405.	0.9	0
53	Viable human brain microvessels for the study of aging and neurodegenerative diseases. <i>Microvascular Research</i> , 2022, 140, 104282.	1.1	0