Sadanand Fulzele

List of Publications by Year
in descending order

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84	2,843	230014	223390
papers	citations	27	49
		h-index	g-index

84	84	84	4839
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinical validation of a multiplex PCR-based detection assay using saliva or nasopharyngeal samples for SARS-Cov-2, influenza A and B. Scientific Reports, 2022, 12, 3480.	1.6	9
2	Synergistic Effects of Multiple Factors Involved in COVID-19-dependent Muscle Loss. , 2022, 13, 344.		8
3	Juvenile Plasma Factors Improve Organ Function and Survival following Injury by Promoting Antioxidant Response. , 2022, 13, 568.		3
4	Dietary interventions and molecular mechanisms for healthy musculoskeletal aging. Biogerontology, 2022, 23, 681-698.	2.0	3
5	MicroRNA cargo of extracellular vesicles released by skeletal muscle fibro-adipogenic progenitor cells is significantly altered with disuse atrophy and IL-1Î² deficiency. Physiological Genomics, 2022, 54, 296-304.	1.0	4
6	MicroRNAs are critical regulators of senescence and aging in mesenchymal stem cells. Bone, 2021, 142, 115679.	1.4	21
7	Low level of Vitamin C and dysregulation of Vitamin C transporter might be involved in the severity of COVID-19 Infection. , 2021, 12, 14.		29
8	Making a Difference: Adaptation of the Clinical Laboratory in Response to the Rapidly Evolving COVID-19 Pandemic. Academic Pathology, 2021, 8, 23742895211023948.	0.7	2
9	Kynurenine induces an age-related phenotype in bone marrow stromal cells. Mechanisms of Ageing and Development, 2021, 195, 111464.	2.2	13
10	A Tryptophan-Deficient Diet Induces Gut Microbiota Dysbiosis and Increases Systemic Inflammation in Aged Mice. International Journal of Molecular Sciences, 2021, 22, 5005.	1.8	40
11	SalivaSTAT: Direct-PCR and Pooling of Saliva Samples Collected in Healthcare and Community Setting for SARS-CoV-2 Mass Surveillance. Diagnostics, 2021, 11, 904.	1.3	19
12	Clinical Validation of a Sensitive Test for Saliva Collected in Healthcare and Community Settings with Pooling Utility for Severe Acute Respiratory Syndrome Coronavirus 2 Mass Surveillance. Journal of Molecular Diagnostics, 2021, 23, 788-795.	1.2	14
13	Alteration in Nasopharyngeal Microbiota Profile in Aged Patients with COVID-19. Diagnostics, 2021, 11, 1622.	1.3	12
14	Age-associated changes in microRNAs affect the differentiation potential of human mesenchymal stem cells: Novel role of miR-29b-1-5p expression. Bone, 2021, 153, 116154.	1.4	9
15	Characterization of Differentially Expressed miRNAs by CXCL12/SDF-1 in Human Bone Marrow Stromal Cells. Biomolecular Concepts, 2021, 12, 132-143.	1.0	6
16	Vitamin C supplementation for the treatment of osteoarthritis: perspectives on the past, present, and future. Therapeutic Advances in Chronic Disease, 2021, 12, 204062232110470.	1.1	4
17	Tryptophan-Kynurenine Pathway in COVID-19-Dependent Musculoskeletal Pathology: A Minireview. Mediators of Inflammation, 2021, 2021, 1-6.	1.4	10
18	Nanostring-Based Identification of the Gene Expression Profile in Trigger Finger Samples. Healthcare (Switzerland), 2021, 9, 1592.	1.0	1

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19	Diet and Stress Impair Ovarian Function in Mid-life, Increasing Risk of Chronic Diseases of Aging in Primates. Innovation in Aging, 2021, 5, 682-682.	0.0	0
20	Depletion of the miR-34a â€œspongeâ€•MALAT1 in aging skeletal muscle: Implications for age-related muscle loss. Innovation in Aging, 2021, 5, 684-685.	0.0	0
21	Long Non-coding RNA MALAT1 Is Depleted With Age in Skeletal Muscle in vivo and MALAT1 Silencing Increases Expression of TGF-Î²1 in vitro. Frontiers in Physiology, 2021, 12, 742004.	1.3	8
22	The Kynurenine Pathway Metabolites QA and KYNA induce senescence in Bone Marrow Stem Cells through the AhR Pathway. Innovation in Aging, 2021, 5, 45-45.	0.0	0
23	Kynurenine inhibits autophagy and promotes senescence in aged bone marrow mesenchymal stem cells through the aryl hydrocarbon receptor pathway. Experimental Gerontology, 2020, 130, 110805.	1.2	59
24	Accumulation of kynurenine elevates oxidative stress and alters microRNA profile in human bone marrow stromal cells. Experimental Gerontology, 2020, 130, 110800.	1.2	14
25	Infections of the lung: a predictive, preventive and personalized perspective through the lens of evolution, the emergence of SARS-CoV-2 and its pathogenesis. EPMA Journal, 2020, 11, 581-601.	3.3	11
26	Kynurenine Promotes RANKL-Induced Osteoclastogenesis In Vitro by Activating the Aryl Hydrocarbon Receptor Pathway. International Journal of Molecular Sciences, 2020, 21, 7931.	1.8	25
27	Sex-Specific Differences in Extracellular Vesicle Protein Cargo in Synovial Fluid of Patients with Osteoarthritis. Life, 2020, 10, 337.	1.1	20
28	Age-related increase of kynurenine enhances miR29b-1-5p to decrease both CXCL12 signaling and the epigenetic enzyme Hdac3 in bone marrow stromal cells. Bone Reports, 2020, 12, 100270.	0.2	17
29	COVID-19 Virulence in Aged Patients Might Be Impacted by the Host Cellular MicroRNAs Abundance/Profile. , 2020, 11, 509.		100
30	Freeze-Dried Extracellular Vesicles From Adipose-Derived Stem Cells Prevent Hypoxia-Induced Muscle Cell Injury. Frontiers in Cell and Developmental Biology, 2020, 8, 181.	1.8	42
31	Picolinic acid, a tryptophan oxidation product, does not impact bone mineral density but increases marrow adiposity. Experimental Gerontology, 2020, 133, 110885.	1.2	10
32	Advances in Molecular biomarker for early diagnosis of Osteoarthritis. Biomolecular Concepts, 2019, 10, 111-119.	1.0	34
33	Muscle-derived miR-34a increases with age in circulating extracellular vesicles and induces senescence of bone marrow stem cells. Aging, 2019, 11, 1791-1803.	1.4	119
34	Stromal cell-derived factor-1 (CXCL12) and its role in bone and muscle biology. Cytokine, 2019, 123, 154783.	1.4	29
35	Kynurenine, a Tryptophan Metabolite That Increases with Age, Induces Muscle Atrophy and Lipid Peroxidation. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-9.	1.9	50
36	Stromal cell-derived factor-1 as a potential therapeutic target for osteoarthritis and rheumatoid arthritis. Therapeutic Advances in Chronic Disease, 2019, 10, 204062231988253.	1.1	18

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37	KYNURENINE, AN ENDOGENOUS AHR AGONIST, UPREGULATES CXCL12- AND HDAC3-TARGETING MIRNAS INHIBITING OSTEOGENESIS. Innovation in Aging, 2019, 3, S946-S947.	0.0	1
38	Bone Marrow Derived Extracellular Vesicles Activate Osteoclast Differentiation in Traumatic Brain Injury Induced Bone Loss. Cells, 2019, 8, 63.	1.8	21
39	Age-Dependent Oxidative Stress Elevates Arginase 1 and Uncoupled Nitric Oxide Synthesis in Skeletal Muscle of Aged Mice. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-9.	1.9	22
40	Meta-Analysis and Evidence Base for the Efficacy of Autologous Bone Marrow Mesenchymal Stem Cells in Knee Cartilage Repair: Methodological Guidelines and Quality Assessment. Stem Cells International, 2019, 2019, 1-15.	1.2	25
41	What doesn't kill you makes you stranger: Dipeptidyl peptidase-4 (CD26) proteolysis differentially modulates the activity of many peptide hormones and cytokines generating novel cryptic bioactive ligands. , 2019, 198, 90-108.		24
42	AGE-ASSOCIATED INCREASE IN KYNURENINE INHIBITS AUTOPHAGY AND PROMOTES SENESCENCE IN BONE MARROW STEM CELLS. Innovation in Aging, 2019, 3, S956-S956.	0.0	0
43	MicroRNA-141-3p Negatively Modulates SDF-1 Expression in Age-Dependent Pathophysiology of Human and Murine Bone Marrow Stromal Cells. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 1368-1374.	1.7	28
44	Very Long-Chain C24:1 Ceramide Is Increased in Serum Extracellular Vesicles with Aging and Can Induce Senescence in Bone-Derived Mesenchymal Stem Cells. Cells, 2019, 8, 37.	1.8	54
45	Role of MicroRNA-141 in the Aging Musculoskeletal System: A Current Overview. Mechanisms of Ageing and Development, 2019, 178, 9-15.	2.2	19
46	COMPARISON OF PATELLA ALIGNMENT AND CARTILAGE BIOMARKERS IN YOUNG ADULT FEMALES WITH AND WITHOUT PATELLOFEMORAL PAIN: A PILOT STUDY. International Journal of Sports Physical Therapy, 2019, 14, 46-54.	0.5	4
47	Post-traumatic osteoarthritis (PTOA) animal model to understand pathophysiology of osteoarthritis. Annals of Translational Medicine, 2019, 7, S81-S81.	0.7	4
48	COMPARISON OF PATELLA ALIGNMENT AND CARTILAGE BIOMARKERS IN YOUNG ADULT FEMALES WITH AND WITHOUT PATELLOFEMORAL PAIN: A PILOT STUDY. International Journal of Sports Physical Therapy, 2019, 14, 46-54.	0.5	1
49	Recent advances in hyaluronic acid based therapy for osteoarthritis. Clinical and Translational Medicine, 2018, 7, 6.	1.7	193
50	Emerging role of extracellular vesicles in musculoskeletal diseases. Molecular Aspects of Medicine, 2018, 60, 123-128.	2.7	86
51	Pros and cons of mouse models for studying osteoarthritis. Clinical and Translational Medicine, 2018, 7, 36.	1.7	49
52	Effect of plasma-derived extracellular vesicles on erythrocyte deformability in polymicrobial sepsis. International Immunopharmacology, 2018, 65, 244-247.	1.7	14
53	Delineating Pro-Angiogenic Myeloid Cells in Cancer Therapy. International Journal of Molecular Sciences, 2018, 19, 2565.	1.8	10
54	Current insights on use of growth factors as therapy for Intervertebral Disc Degeneration. Biomolecular Concepts, 2018, 9, 43-52.	1.0	66

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55	Modulation of miRNAs by Vitamin C in Human Bone Marrow Stromal Cells. Nutrients, 2018, 10, 186.	1.7	20
56	Kynurenine, a tryptophan metabolite that increases with age, induces skeletal muscle atrophy and reactive oxygen species.. FASEB Journal, 2018, 32, .	0.2	0
57	MicroRNA-183-5p Increases with Age in Bone-Derived Extracellular Vesicles, Suppresses Bone Marrow Stromal (Stem) Cell Proliferation, and Induces Stem Cell Senescence. Tissue Engineering - Part A, 2017, 23, 1231-1240.	1.6	182
58	Hyperhomocysteinemia Alters Retinal Endothelial Cells Barrier Function and Angiogenic Potential via Activation of Oxidative Stress. Scientific Reports, 2017, 7, 11952.	1.6	42
59	Kynurenine, a Tryptophan Metabolite That Accumulates With Age, Induces Bone Loss. Journal of Bone and Mineral Research, 2017, 32, 2182-2193.	3.1	89
60	Gender-specific differential expression of exosomal miRNA in synovial fluid of patients with osteoarthritis. Scientific Reports, 2017, 7, 2029.	1.6	168
61	Function of microRNAs in the Osteogenic Differentiation and Therapeutic Application of Adipose-Derived Stem Cells (ASCs). International Journal of Molecular Sciences, 2017, 18, 2597.	1.8	31
62	Adenosine Deaminase-2â€“Induced Hyperpermeability in Human Retinal Vascular Endothelial Cells Is Suppressed by MicroRNA-146b-3p. , 2017, 58, 933.		21
63	Carbidopa, a drug in use for management of Parkinson disease inhibits T cell activation and autoimmunity. PLoS ONE, 2017, 12, e0183484.	1.1	31
64	Anabolic role of lysyl oxidase like-2 in cartilage of knee and temporomandibular joints with osteoarthritis. Arthritis Research and Therapy, 2017, 19, 179.	1.6	28
65	Stem Cell-Derived Exosomes: A Potential Alternative Therapeutic Agent in Orthopaedics. Stem Cells International, 2016, 2016, 1-6.	1.2	67
66	Advances in Adipose-Derived Stem Cells Isolation, Characterization, and Application in Regenerative Tissue Engineering. Stem Cells International, 2016, 2016, 1-9.	1.2	117
67	Extracellular vesicles in the pathogenesis of rheumatoid arthritis and osteoarthritis. Arthritis Research and Therapy, 2016, 18, 286.	1.6	210
68	Therapeutic potential of mesenchymal stem cell based therapy for osteoarthritis. Clinical and Translational Medicine, 2016, 5, 27.	1.7	59
69	AMP-Activated Protein Kinase Suppresses Autoimmune Central Nervous System Disease by Regulating M1-Type Macrophageâ€“Th17 Axis. Journal of Immunology, 2016, 197, 747-760.	0.4	25
70	Deregulation of arginase induces bone complications in high-fat/high-sucrose diet diabetic mouse model. Molecular and Cellular Endocrinology, 2016, 422, 211-220.	1.6	24
71	MicroRNA-146b-3p Regulates Retinal Inflammation by Suppressing Adenosine Deaminase-2 in Diabetes. BioMed Research International, 2015, 2015, 1-8.	0.9	65
72	MicroRNAs-141 and 200a regulate the SVCT2 transporter in bone marrow stromal cells. Molecular and Cellular Endocrinology, 2015, 410, 19-26.	1.6	32

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73	The crucial role of vitamin C and its transporter (SVCT2) in bone marrow stromal cell autophagy and apoptosis. Stem Cell Research, 2015, 15, 312-321.	0.3	19
74	Inhibition of adenosine kinase attenuates inflammation and neurotoxicity in traumatic optic neuropathy. Journal of Neuroimmunology, 2014, 277, 96-104.	1.1	21
75	Comparative analysis of sodium coupled vitamin C transporter 2 in human osteoarthritis grade 1 and grade 3 tissues. BMC Musculoskeletal Disorders, 2014, 15, 9.	0.8	4
76	Knockdown of SVCT2 impairs in-vitro cell attachment, migration and wound healing in bone marrow stromal cells. Stem Cell Research, 2014, 12, 354-363.	0.3	23
77	Stromal Cell-Derived Factor-1Î² Potentiates Bone Morphogenetic Protein-2-Stimulated Osteoinduction of Genetically Engineered Bone Marrow-Derived Mesenchymal Stem CellsIn Vitro. Tissue Engineering - Part A, 2013, 19, 1-13.	1.6	39
78	Effects of the activin Aâ€“myostatinâ€“follistatin system on aging bone and muscle progenitor cells. Experimental Gerontology, 2013, 48, 290-297.	1.2	60
79	Sodium-coupled vitamin C transporter (SVCT2): expression, function, and regulation in intervertebral disc cells. Spine Journal, 2013, 13, 549-557.	0.6	17
80	Sodium-dependent vitamin C transporter SVCT2: Expression and function in bone marrow stromal cells and in osteogenesis. Stem Cell Research, 2013, 10, 36-47.	0.3	31
81	Regulation of vitamin C transporter in the type 1 diabetic mouse bone and bone marrow. Experimental and Molecular Pathology, 2013, 95, 298-306.	0.9	7
82	Changes in the activin Aâ€myostatinâ€follistatin system within bone and muscle of aging mice. FASEB Journal, 2012, 26, 914.4.	0.2	1
83	Reduction of muscle fiber size, muscle IGFâ€1, and increased myostatin in the leptin receptorâ€deficient POUND mouse. FASEB Journal, 2012, 26, 730.1.	0.2	1
84	Role of myostatin (GDFâ€8) signaling in the human anterior cruciate ligament. Journal of Orthopaedic Research, 2010, 28, 1113-1118.	1.2	25