Thomas Pufe

List of Publications by Year
in descending order

91 papers	3,544 citations	109321 35 h-index	149698 56 g-index
94 all docs	94 docs citations	94 times ranked	5166 citing authors

#	Article	IF	Citations
1	Sulforaphane-Dependent Up-Regulation of NRF2 Activity Alleviates Both Systemic Inflammatory Response and Lung Injury After Hemorrhagic Shock/Resuscitation in Mice. Shock, 2022, 57, 221-229.	2.1	11
2	Nrf2/ARE Signaling Directly Regulates SOX9 to Potentially Alter Age-Dependent Cartilage Degeneration. Antioxidants, 2022, 11, 263.	5.1	8
3	Sulforaphane Exerts Beneficial Immunomodulatory Effects on Liver Tissue via a Nrf2 Pathway-Related Mechanism in a Murine Model of Hemorrhagic Shock and Resuscitation. Frontiers in Immunology, 2022, 13, 822895.	4.8	8
4	Impact of FGF1 on human periodontal ligament fibroblast growth, osteogenic differentiation and inflammatory reaction in vitro. Journal of Orofacial Orthopedics, 2022, 83, 42-55.	1.3	4
5	Transient Focal Cerebral Ischemia Leads to miRNA Alterations in Different Brain Regions, Blood Serum, Liver, and Spleen. International Journal of Molecular Sciences, 2022, 23, 161.	4.1	7
6	Physosmotic Induction of Chondrogenic Maturation Is TGF-Î² Dependent and Enhanced by Calcineurin Inhibitor FK506. International Journal of Molecular Sciences, 2022, 23, 5110.	4.1	3
7	The Role of Adipose Stem Cells in Bone Regeneration and Bone Tissue Engineering. Cells, 2021, 10, 975.	4.1	26
8	Aggregated Tau-PHF6 (VQIVYK) Potentiates NLRP3 Inflammasome Expression and Autophagy in Human Microglial Cells. Cells, 2021, 10, 1652.	4.1	26
9	Adverse Effects of Oxidative Stress on Bone and Vasculature in Corticosteroid-Associated Osteonecrosis: Potential Role of Nuclear Factor Erythroid 2-Related Factor 2 in Cytoprotection. Antioxidants and Redox Signaling, 2021, 35, 357-376.	5.4	11
10	Platelet-released growth factors protect articular chondrocytes from inflammatory condition. Annals of Anatomy, 2021, 238, 151787.	1.9	0
11	The formyl peptide receptor agonist Ac2-26 alleviates neuroinflammation in a mouse model of pneumococcal meningitis. Journal of Neuroinflammation, 2020, 17, 325.	7.2	12
12	Platelet-Released Growth Factors and Platelet-Rich Fibrin Induce Expression of Factors Involved in Extracellular Matrix Organization in Human Keratinocytes. International Journal of Molecular Sciences, 2020, 21, 4404.	4.1	12
13	Inhibition of formyl peptide receptors improves the outcome in a mouse model of Alzheimer disease. Journal of Neuroinflammation, 2020, 17, 131.	7.2	27
14	Impact of Uniaxial Stretching on Both Gliding and Traction Areas of Tendon Explants in a Novel Bioreactor. International Journal of Molecular Sciences, 2020, 21, 2925.	4.1	9
15	Different Frequency of Cyclic Tensile Strain Relates to Anabolic/Catabolic Conditions Consistent with Immunohistochemical Staining Intensity in Tenocytes. International Journal of Molecular Sciences, 2020, 21, 1082.	4.1	19
16	Effects of Strontium-Doped Î²-Tricalcium Scaffold on Longitudinal Nuclear Factor-Kappa Beta and Vascular Endothelial Growth Factor Receptor-2 Promoter Activities during Healing in a Murine Critical-Size Bone Defect Model. International Journal of Molecular Sciences, 2020, 21, 3208.	4.1	9
17	Role of Nrf2 in Fracture Healing: Clinical Aspects of Oxidative Stress. Calcified Tissue International, 2019, 105, 341-352.	3.1	46
18	Nrf2 Ameliorates DDC-Induced Sclerosing Cholangitis and Biliary Fibrosis and Improves the Regenerative Capacity of the Liver. Toxicological Sciences, 2019, 169, 485-498.	3.1	20

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19	Bioreactor-Controlled Physoxia Regulates TGF-Î² Signaling to Alter Extracellular Matrix Synthesis by Human Chondrocytes. International Journal of Molecular Sciences, 2019, 20, 1715.	4.1	23
20	Expansion of functional personalized cells with specific transgene combinations. Nature Communications, 2018, 9, 994.	12.8	35
21	Toll-Like Receptor 2-Mediated Glial Cell Activation in a Mouse Model of Cuprizone-Induced Demyelination. Molecular Neurobiology, 2018, 55, 6237-6249.	4.0	22
22	Bone-preserving total hip arthroplasty in avascular necrosis of the hipâ€"a matched-pairs analysis. International Orthopaedics, 2018, 42, 1509-1516.	1.9	23
23	Platelet-released growth factors inhibit proliferation of primary keratinocytes in vitro. Annals of Anatomy, 2018, 215, 1-7.	1.9	11
24	Lack of chemokine (C-C motif) ligand 3 leads to decreased survival and reduced immune response after bacterial meningitis. Cytokine, 2018, 111, 246-254.	3.2	7
25	Psoriasin has divergent effects on the innate immune responses of murine glial cells. Journal of Neurochemistry, 2017, 141, 86-99.	3.9	5
26	Formyl Peptide Receptor 1-Mediated Glial Cell Activation in a Mouse Model of Cuprizone-Induced Demyelination. Journal of Molecular Neuroscience, 2017, 62, 232-243.	2.3	15
27	Oral administration of methysticin improves cognitive deficits in a mouse model of Alzheimer's disease. Redox Biology, 2017, 12, 843-853.	9.0	62
28	Platelet-released growth factors induce psoriasin in keratinocytes: Implications for the cutaneous barrier. Annals of Anatomy, 2017, 213, 25-32.	1.9	15
29	The protective effect of platelet released growth factors and bone augmentation (Bio-Oss Â®) on ethanol impaired osteoblasts. Annals of Anatomy, 2017, 214, 36-42.	1.9	2
30	Functional MR Imaging Mapping of Human Articular Cartilage Response to Loading. Radiology, 2017, 282, 464-474.	7.3	35
31	The effects of Nrf2 deletion on placental morphology and exchange capacity in the mouse. Journal of Maternal-Fetal and Neonatal Medicine, 2017, 30, 2068-2073.	1.5	18
32	CRAMP deficiency leads to a pro-inflammatory phenotype and impaired phagocytosis after exposure to bacterial meningitis pathogens. Cell Communication and Signaling, 2017, 15, 32.	6.5	13
33	Platelet-Released Growth Factors Modulate the Secretion of Cytokines in Synoviocytes under Inflammatory Joint Disease. Mediators of Inflammation, 2017, 2017, 1-9.	3.0	28
34	Platelet-Released Growth Factors Induce Differentiation of Primary Keratinocytes. Mediators of Inflammation, 2017, 2017, 1-12.	3.0	13
35	The Antimicrobial Peptide Human Beta-Defensin-3 Is Induced by Platelet-Released Growth Factors in Primary Keratinocytes. Mediators of Inflammation, 2017, 2017, 1-8.	3.0	16
36	A new multiple trauma model of the mouse. BMC Musculoskeletal Disorders, 2017, 18, 468.	1.9	12

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37	Lack of Proinflammatory Cytokine Interleukin-6 or Tumor Necrosis Factor Receptor-1 Results in a Failure of the Innate Immune Response after Bacterial Meningitis. Mediators of Inflammation, 2016, 2016, 1-12.	3.0	26
38	Local pamidronate influences fracture healing in a rodent femur fracture model: an experimental study. BMC Musculoskeletal Disorders, 2016, 17, 255.	1.9	11
39	Towards Optical Coherence Tomography-based elastographic evaluation of human cartilage. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 56, 106-119.	3.1	18
40	Quantitative OCT and MRI biomarkers for the differentiation of cartilage degeneration. Skeletal Radiology, 2016, 45, 505-516.	2.0	39
41	Lack of Toll-like receptor 2 results in higher mortality of bacterial meningitis by impaired host resistance. Journal of Neuroimmunology, 2016, 299, 90-97.	2.3	14
42	Ex vivo quantitative multiparametric MRI mapping of human meniscus degeneration. Skeletal Radiology, 2016, 45, 1649-1660.	2.0	36
43	Effect of platelet mediator concentrate (PMC) on Achilles tenocytes: an in vitro study. BMC Musculoskeletal Disorders, 2016, 17, 307.	1.9	6
44	Plateletâ€released growth factors induce the antimicrobial peptide human betaâ€defensinâ€2 in primary keratinocytes. Experimental Dermatology, 2016, 25, 460-465.	2.9	33
45	Nrf2Âin health and disease: current and future clinical implications. Clinical Science, 2015, 129, 989-999.	4.3	101
46	Abrasion arthroplasty increases mesenchymal stem cell content of postoperative joint effusions. BMC Musculoskeletal Disorders, 2015, 16, 250.	1.9	3
47	Impaired Fracture Healing after Hemorrhagic Shock. Mediators of Inflammation, 2015, 2015, 1-7.	3.0	16
48	Evaluation of Single-Impact-Induced Cartilage Degeneration by Optical Coherence Tomography. BioMed Research International, 2015, 2015, 1-11.	1.9	12
49	Intrathecal application of the antimicrobial peptide CRAMP reduced mortality and neuroinflammation in an experimental model of pneumococcal meningitis. Journal of Infection, 2015, 71, 188-199.	3.3	17
50	Rivaroxaban does not impair fracture healing in a rat femur fracture model: an experimental study. BMC Musculoskeletal Disorders, 2015, 16, 79.	1.9	36
51	Inhalative IL-10 treatment after bilateral femoral fractures affect pulmonary inflammation in mice. Annals of Anatomy, 2015, 200, 73-78.	1.9	7
52	Optical coherence tomography-based parameterization and quantification of articular cartilage surface integrity. Biomedical Optics Express, 2015, 6, 2398.	2.9	13
53	Enoxaparin Prevents Steroid-Related Avascular Necrosis of the Femoral Head. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	36
54	Mechanical Forces Induce Changes in VEGF and VEGFR-1/sFlt-1 Expression in Human Chondrocytes. International Journal of Molecular Sciences, 2014, 15, 15456-15474.	4.1	38

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55	Nrf2 Deficiency Impairs Fracture Healing in Mice. Calcified Tissue International, 2014, 95, 349-361.	3.1	40
56	The Antimicrobial Peptide Lysozyme Is Induced after Multiple Trauma. Mediators of Inflammation, 2014, 2014, 1-7.	3.0	22
57	Role of Phospholipase D in G-Protein Coupled Receptor Function. Membranes, 2014, 4, 302-318.	3.0	20
58	Role of platelet-released growth factors in detoxification of reactive oxygen species in osteoblasts. Bone, 2014, 65, 9-17.	2.9	68
59	A possible protective role of Nrf2 in preeclampsia. Annals of Anatomy, 2014, 196, 268-277.	1.9	48
60	Nrf2 Protects Against TWEAK-mediated Skeletal Muscle Wasting. Scientific Reports, 2014, 4, 3625.	3.3	19
61	The effect of platelet rich plasma on angiogenesis in ischemic flaps in VEGFR2-luc mice. Biomaterials, 2013, 34, 2674-2682.	11.4	30
62	Platelets display potent antimicrobial activity and release human beta-defensin 2. Platelets, 2012, 23, 217-223.	2.3	53
63	Sulforaphane has opposing effects on TNF-alpha stimulated and unstimulated synoviocytes. Arthritis Research and Therapy, 2012, 14, R220.	3.5	41
64	Antimicrobial Peptides: Multifunctional Drugs for Different Applications. Polymers, 2012, 4, 539-560.	4.5	96
65	A Role for Nrf2 in Redox Signalling of the Invasive Extravillous Trophoblast in Severe Early Onset IUGR Associated with Preeclampsia. PLoS ONE, 2012, 7, e47055.	2.5	38
66	Role of oxidative stress in rheumatoid arthritis: insights from the Nrf2-knockout mice. Annals of the Rheumatic Diseases, 2011, 70, 844-850.	0.9	223
67	Interplay between Vascular Endothelial Growth Factor (VEGF) and Nuclear Factor Erythroid 2-related Factor-2 (Nrf2). Journal of Biological Chemistry, 2011, 286, 42863-42872.	3.4	85
68	Impact of Nrf2 on esophagus epithelium cornification. International Journal of Dermatology, 2011, 50, 1362-1365.	1.0	4
69	Thrombocytes are effectors of the innate immune system releasing human beta defensin-3. Injury, 2011, 42, 682-686.	1.7	44
70	Platelet-released growth factors can accelerate tenocyte proliferation and activate the anti-oxidant response element. Histochemistry and Cell Biology, 2011, 135, 453-460.	1.7	81
71	Intraarticular injection of plateletâ€rich plasma reduces inflammation in a pig model of rheumatoid arthritis of the knee joint. Arthritis and Rheumatism, 2011, 63, 3344-3353.	6.7	93
72	Sulforaphane suppresses LPS-induced inflammation in primary rat microglia. Inflammation Research, 2010, 59, 443-450.	4.0	116

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73	Osteoblasts participate in the innate immunity of the bone by producing human beta defensin-3. Histochemistry and Cell Biology, 2009, 131, 207-218.	1.7	56
74	The antimicrobial peptide HBD-2 and the Toll-like receptors-2 and -4 are induced in synovial membranes in case of septic arthritis. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2009, 454, 685-694.	2.8	29
75	Differential Expression of Vascular Endothelial Growth Factor in Glucocorticoid-related Osteonecrosis of the Femoral Head. Clinical Orthopaedics and Related Research, 2009, 467, 3273-3282.	1.5	50
76	Role of a fetal defence mechanism against oxidative stress in the aetiology of preeclampsia. Histopathology, 2009, 55, 102-106.	2.9	35
77	Involvement of Phospholipase D 1 and 2 in the subcellular localization and activity of formyl-peptide-receptors in the human colonic cell line HT29. Molecular Membrane Biology, 2009, 26, 371-383.	2.0	13
78	Programmable cells of monocytic origin (PCMO): A source of peripheral blood stem cells that generate collagen type Iâ€producing chondrocytes. Journal of Orthopaedic Research, 2008, 26, 304-313.	2.3	34
79	Kavalactones Protect Neural Cells against Amyloid Î² Peptide-Induced Neurotoxicity via Extracellular Signal-Regulated Kinase 1/2-Dependent Nuclear Factor Erythroid 2-Related Factor 2 Activation. Molecular Pharmacology, 2008, 73, 1785-1795.	2.3	108
80	Expression and regulation of antimicrobial peptides in articular joints. Annals of Anatomy, 2005, 187, 499-508.	1.9	43
81	The influence of biomechanical parameters on the expression of VEGF and endostatin in the bone and joint system. Annals of Anatomy, 2005, 187, 461-472.	1.9	42
82	Vascular endothelial growth factor (VEGF) induces matrix metalloproteinase expression in immortalized chondrocytes. Journal of Pathology, 2004, 202, 367-374.	4.5	164
83	Cyclic strain influences the expression of the vascular endothelial growth factor (VEGF) and the hypoxia inducible factor 1 alpha (HIFâ€1Î±) in tendon fibroblasts. Journal of Orthopaedic Research, 2004, 22, 847-853.	2.3	95
84	Mechanical Overload Induces VEGF in Cartilage Discs via Hypoxia-Inducible Factor. American Journal of Pathology, 2004, 164, 185-192.	3.8	136
85	Mechanical factors influence the expression of endostatinâ€"an inhibitor of angiogenesisâ€"in tendons. Journal of Orthopaedic Research, 2003, 21, 610-616.	2.3	58
86	The angiogenic peptide vascular endothelial growth factor (VEGF) is expressed in chronic sacral pressure ulcers. Journal of Pathology, 2003, 200, 130-136.	4.5	28
87	The role of vascular endothelial growth factor in glucocorticoid-induced bone loss: evaluation in a minipig modelâ€†. Bone, 2003, 33, 869-876.	2.9	61
88	Quantitative measurement of the splice variants 120 and 164 of the angiogenic peptide vascular endothelial growth factor in the time flow of fracture healing: a study in the rat. Cell and Tissue Research, 2002, 309, 387-392.	2.9	81
89	Antimicrobial peptides are expressed and produced in healthy and inflamed human synovial membranes. Journal of Pathology, 2002, 198, 369-377.	4.5	117
90	The splice variants VEGF121 and VEGF189 of the angiogenic peptide vascular endothelial growth factor are expressed in osteoarthritic cartilage. Arthritis and Rheumatism, 2001, 44, 1082-1088.	6.7	169

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91	Expression of Natural Peptide Antibiotics in Human Articular Cartilage and Synovial Membrane. Vaccine Journal, 2001, 8, 1021-1023.	2.6	25