

# Fayez F Safadi

## List of Publications by Year in descending order

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58  
papers

2,024  
citations

218677

26  
h-index

254184

43  
g-index

63  
all docs

63  
docs citations

63  
times ranked

2240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of connective tissue growth factor in bone: Its role in osteoblast proliferation and differentiation in vitro and bone formation in vivo. <i>Journal of Cellular Physiology</i> , 2003, 196, 51-62.	4.1	179
2	Cloning and characterization of osteoactivin, a novel cDNA expressed in osteoblasts. <i>Journal of Cellular Biochemistry</i> , 2002, 84, 12-26.	2.6	132
3	Chronic repetitive reaching and grasping results in decreased motor performance and widespread tissue responses in a rat model of MSD. <i>Journal of Orthopaedic Research</i> , 2003, 21, 167-176.	2.3	124
4	Osteoactivin, an anabolic factor that regulates osteoblast differentiation and function. <i>Experimental Cell Research</i> , 2008, 314, 2334-2351.	2.6	117
5	The glycoprotein GPNMB attenuates astrocyte inflammatory responses through the CD44 receptor. <i>Journal of Neuroinflammation</i> , 2018, 15, 73.	7.2	102
6	Role of inflammation in the aging bones. <i>Life Sciences</i> , 2015, 123, 25-34.	4.3	94
7	Median Nerve Trauma in a Rat Model of Work-Related Musculoskeletal Disorder. <i>Journal of Neurotrauma</i> , 2003, 20, 681-695.	3.4	78
8	Osteoactivin acts as downstream mediator of BMP-2 effects on osteoblast function. <i>Journal of Cellular Physiology</i> , 2007, 210, 26-37.	4.1	68
9	Serum and tissue cytokines and chemokines increase with repetitive upper extremity tasks. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1320-1326.	2.3	66
10	Macrophage-Associated Osteoactivin/GPNMB Mediates Mesenchymal Stem Cell Survival, Proliferation, and Migration Via a CD44-Dependent Mechanism. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1511-1521.	2.6	62
11	Orthosilicic acid, Si(OH) <sub>4</sub> , stimulates osteoblast differentiation in vitro by upregulating miR-146a to antagonize NF- $\kappa$ B activation. <i>Acta Biomaterialia</i> , 2016, 39, 192-202.	8.3	59
12	Anti-Osteoactivin Antibody Inhibits Osteoblast Differentiation and Function In Vitro. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2003, 13, 12.	0.9	56
13	Performance of Repetitive Tasks Induces Decreased Grip Strength and Increased Fibrogenic Proteins in Skeletal Muscle: Role of Force and Inflammation. <i>PLoS ONE</i> , 2012, 7, e38359.	2.5	53
14	Identification and Characterization of the Genes Encoding Human and Mouse Osteoactivin. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2003, 13, 16.	0.9	49
15	Mutation in Osteoactivin Decreases Bone Formation in Vivo and Osteoblast Differentiation in Vitro. <i>American Journal of Pathology</i> , 2014, 184, 697-713.	3.8	46
16	Cloning the full-length cDNA for rat connective tissue growth factor: Implications for skeletal development. , 2000, 77, 103-115.		45
17	Repetitive, Negligible Force Reaching in Rats Induces Pathological Overloading of Upper Extremity Bones. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 2023-2032.	2.8	45
18	Osteoactivin Promotes Osteoblast Adhesion Through HSPG and $\alpha$ 2 $\beta$ 1 Integrin. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1243-1253.	2.6	44

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19	Osteoactivin Induces Transdifferentiation of C2C12 Myoblasts Into Osteoblasts. <i>Journal of Cellular Physiology</i> , 2014, 229, 955-966.	4.1	42
20	Functional Roles of Osteoactivin in Normal and Disease Processes. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2010, 20, 341-357.	0.9	37
21	Transgenic Expression of Osteoactivin/gpnmB Enhances Bone Formation In Vivo and Osteoprogenitor Differentiation Ex Vivo. <i>Journal of Cellular Physiology</i> , 2016, 231, 72-83.	4.1	37
22	Autophagy plays an essential role in bone homeostasis. <i>Journal of Cellular Physiology</i> , 2019, 234, 12105-12115.	4.1	36
23	An Overview of Rickets in Children. <i>Kidney International Reports</i> , 2020, 5, 980-990.	0.8	34
24	Mutation in Osteoactivin Promotes Receptor Activator of NF $\kappa$ B Ligand (RANKL)-mediated Osteoclast Differentiation and Survival but Inhibits Osteoclast Function. <i>Journal of Biological Chemistry</i> , 2015, 290, 20128-20146.	3.4	32
25	Glycoprotein NMB: an Emerging Role in Neurodegenerative Disease. <i>Molecular Neurobiology</i> , 2018, 55, 5167-5176.	4.0	32
26	Temporal and spatial expression of osteoactivin during fracture repair. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 295-309.	2.6	30
27	Glycoprotein Nonmelanoma Clone B Regulates the Crosstalk between Macrophages and Mesenchymal Stem Cells toward Wound Repair. <i>Journal of Investigative Dermatology</i> , 2018, 138, 219-227.	0.7	30
28	Osteoactivin inhibition of osteoclastogenesis is mediated through CD44-ERK signaling. <i>Experimental and Molecular Medicine</i> , 2016, 48, e257-e257.	7.7	29
29	Osteoactivin (GPNMB) ectodomain protein promotes growth and invasive behavior of human lung cancer cells. <i>Oncotarget</i> , 2016, 7, 13932-13944.	1.8	28
30	Members of the novel UBASH3/STS/TULA family of cellular regulators suppress T $\alpha$ cell-driven inflammatory responses <i>in vivo</i> . <i>Immunology and Cell Biology</i> , 2014, 92, 837-850.	2.3	22
31	The Effect of Class A Scavenger Receptor Deficiency in Bone. <i>Journal of Biological Chemistry</i> , 2007, 282, 4653-4660.	3.4	21
32	Influence of Estrogen Deficiency and Replacement on T-Cell Populations in Rat Lymphoid Tissues and Organs. <i>Endocrine</i> , 2000, 12, 81-88.	2.2	20
33	Comparison of bone morphogenetic protein $\alpha$ 2 and osteoactivin for mesenchymal cell differentiation: Effects of bolus and continuous administration. <i>Journal of Cellular Physiology</i> , 2011, 226, 2943-2952.	4.1	20
34	Transgenic Overexpression of GPNMB Protects Against MPTP-Induced Neurodegeneration. <i>Molecular Neurobiology</i> , 2020, 57, 2920-2933.	4.0	20
35	Growth and repair factors, osteoactivin, matrix metalloproteinase and heat shock protein 72, increase with resolution of inflammation in musculotendinous tissues in a rat model of repetitive grasping. <i>BMC Musculoskeletal Disorders</i> , 2016, 17, 34.	1.9	15
36	The role of miR-150 regulates bone cell differentiation and function. <i>Bone</i> , 2021, 145, 115470.	2.9	15

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37	Emerging Lung Cancer Therapeutic Targets Based on the Pathogenesis of Bone Metastases. International Journal of Cell Biology, 2014, 2014, 1-7.	2.5	14
38	Osteoactivin regulates head and neck squamous cell carcinoma invasion by modulating matrix metalloproteases. Journal of Cellular Physiology, 2018, 233, 409-421.	4.1	12
39	Comparison of Risk Factors for Pediatric Kidney Stone Formation: The Effects of Sex. Frontiers in Pediatrics, 2019, 7, 32.	1.9	11
40	TRAPPC9: Novel insights into its trafficking and signaling pathways in health and disease (Review). International Journal of Molecular Medicine, 2018, 42, 2991-2997.	4.0	10
41	Adolescents with urinary stones have elevated urine levels of inflammatory mediators. Urolithiasis, 2019, 47, 461-466.	2.0	10
42	Skeletal Resistance to 1,25-Dihydroxyvitamin D <sub>3</sub> in Osteopetrotic Rats. Endocrine, 1999, 11, 309-320.	2.2	9
43	Osteoactivin Promotes Migration of Oral Squamous Cell Carcinomas. Journal of Cellular Physiology, 2016, 231, 1761-1770.	4.1	9
44	Epigenetic Regulation of Chondrocytes and Subchondral Bone in Osteoarthritis. Life, 2022, 12, 582.	2.4	8
45	Bone mineral density in adolescent urinary stone formers: is sex important?. Urolithiasis, 2020, 48, 329-335.	2.0	6
46	Aberrant epigenetic silencing of neuronatin is a frequent event in human osteosarcoma. Oncotarget, 2020, 11, 1876-1893.	1.8	6
47	A Novel Hybrid Structured Titanium Surface Promotes Adhesion of Human Dermal Fibroblasts and Osteogenesis of Human Mesenchymal Stem Cells while Reducing <i>S. epidermidis</i> Biofilm Accumulation. Advanced Engineering Materials, 2016, 18, 518-531.	3.5	5
48	A novel regulatory role of TRAPPC9 in L $\alpha$ -Plastin $\alpha$ -mediated osteoclast actin ring formation. Journal of Cellular Biochemistry, 2020, 121, 284-298.	2.6	3
49	Identification of Novel Agents for the Treatment of Brain Metastases of Breast Cancer. Current Cancer Drug Targets, 2017, 17, 479-485.	1.6	1
50	Linking gene expression and phenotypic changes in the developmental and evolutionary origins of osteosclerosis in the ribs of bowhead whales ( <i>Balaena mysticetus</i> ). Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2020, 334, 339-349.	1.3	1
51	Locked Plating Versus Spiral Blade Retrograde Nailing in Supracondylar Femoral Fractures. , 2012, , .		0
52	Molecular Players Involved in TGF $\alpha$ 21 induced CTGF/CCN2 expression in Primary Rat Osteoblasts: SBE, TRE and SRC/ERK. FASEB Journal, 2007, 21, A972.	0.5	0
53	Effects of Connective Tissue Growth Factor (CTGF) and Osteoactivin (OA) on Bone Healing in a Segmental Defect Model in Rats. FASEB Journal, 2007, 21, A135.	0.5	0
54	Assembly of the prothrombinase complex on fibroblast surface, promoted by TSP1, results in cytokine release and CTGF upregulation. FASEB Journal, 2010, 24, 589.12.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Circulating Plasma Levels of Connective Tissue Growth Factor (CTGF) Are Elevated In Patients Afflicted with Rheumatoid Arthritis. Blood, 2010, 116, 4320-4320.	1.4	0
56	Transgenic Overexpression of GPNMB Protects Against MPTP-Induced Neurodegeneration. FASEB Journal, 2019, 33, 662.7.	0.5	0
57	A Novel Regulatory Role of TRAPPC9 in Osteoarthritis. FASEB Journal, 2019, 33, 542.5.	0.5	0
58	Plastin, a Novel Regulator of Microglial Activation in Parkinson's disease. FASEB Journal, 2020, 34, 1-1.	0.5	0