

Francis Y Lee

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,106
citations

304368

22
h-index

243296

44
g-index

50
all docs

50
docs citations

50
times ranked

3796
citing authors

#	ARTICLE	IF	CITATIONS
1	Gremlin 1 Identifies a Skeletal Stem Cell with Bone, Cartilage, and Reticular Stromal Potential. <i>Cell</i> , 2015, 160, 269-284.	13.5	535
2	Harnessing endogenous stem/progenitor cells for tendon regeneration. <i>Journal of Clinical Investigation</i> , 2015, 125, 2690-2701.	3.9	170
3	Efficient differentiation of human iPSC-derived mesenchymal stem cells to chondroprogenitor cells. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 480-490.	1.2	112
4	Effect of bracing on the quality of life of adolescents with idiopathic scoliosis. <i>Spine Journal</i> , 2004, 4, 254-260.	0.6	105
5	Use of ketorolac tromethamine in children undergoing scoliosis surgery. <i>Spine Journal</i> , 2003, 3, 55-62.	0.6	97
6	Correction of Adolescent Idiopathic Scoliosis Using Thoracic Pedicle Screw Fixation Versus Hook Constructs. <i>Journal of Pediatric Orthopaedics</i> , 2005, 25, 415-419.	0.6	90
7	Tendon stem/progenitor cells regulate inflammation in tendon healing via JNK and STAT3 signaling. <i>FASEB Journal</i> , 2017, 31, 3991-3998.	0.2	64
8	The effect of limb length discrepancy on health-related quality of life: is the "2%cm rule" appropriate?. <i>Journal of Pediatric Orthopaedics Part B</i> , 2006, 15, 1-5.	0.3	58
9	MR imaging of simple bone cysts in children: not so simple. <i>Pediatric Radiology</i> , 2000, 30, 551-557.	1.1	56
10	Targeting of cell survival genes using small interfering RNAs (siRNAs) enhances radiosensitivity of Grade II chondrosarcoma cells. <i>Journal of Orthopaedic Research</i> , 2007, 25, 820-828.	1.2	53
11	Modern Interpretation of Giant Cell Tumor of Bone: Predominantly Osteoclastogenic Stromal Tumor. <i>Clinics in Orthopedic Surgery</i> , 2012, 4, 107.	0.8	52
12	Intracellular <i>Staphylococcus aureus</i> in bone and joint infections: A mechanism of disease recurrence, inflammation, and bone and cartilage destruction. <i>Bone</i> , 2020, 141, 115568.	1.4	46
13	Stromal cell-derived factor 1 (SDF-1, CXCL12) is increased in subacromial bursitis and downregulated by steroid and nonsteroidal anti-inflammatory agents. <i>Journal of Orthopaedic Research</i> , 2006, 24, 1756-1764.	1.2	43
14	3D printing for regenerative medicine: From bench to bedside. <i>MRS Bulletin</i> , 2015, 40, 145-154.	1.7	39
15	Patient-Based Outcomes Following Clubfoot Surgery. <i>Journal of Pediatric Orthopaedics</i> , 2005, 25, 533-538.	0.6	37
16	Assessment of Health Status in Patients With Cerebral Palsy. <i>Journal of Pediatric Orthopaedics</i> , 2005, 25, 792-797.	0.6	36
17	Targeting extracellular signal-regulated kinase (ERK) signaling has therapeutic implications for inflammatory osteolysis. <i>Bone</i> , 2010, 46, 695-702.	1.4	33
18	Recalcitrant methicillin-resistant <i>Staphylococcus aureus</i> infection of bone cells: Intracellular penetration and control strategies. <i>Bone and Joint Research</i> , 2020, 9, 49-59.	1.3	31

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19	Improving bone density at the rotator cuff footprint increases supraspinatus tendon failure stress in a rat model. <i>Journal of Orthopaedic Research</i> , 2010, 28, 308-314.	1.2	29
20	Physiologic load-bearing characteristics of autografts, allografts, and polymer-based scaffolds in a critical sized segmental defect of long bone: an experimental study. <i>International Journal of Nanomedicine</i> , 2013, 8, 1637.	3.3	28
21	Minimally Invasive Image-Guided Ablation, Osteoplasty, Reinforcement, and Internal Fixation (AORIF) for Osteolytic Lesions in the Pelvis and Periarticular Regions of Weight-Bearing Bones. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 649-658.e1.	0.2	27
22	Re-appraising the potential of naringin for natural, novel orthopedic biotherapies. <i>Therapeutic Advances in Musculoskeletal Disease</i> , 2020, 12, 1759720X2096613.	1.2	26
23	Bone marrow absorption and retention properties of engineered scaffolds with micro-channels and nano-pores for tissue engineering: A proof of concept. <i>Ceramics International</i> , 2013, 39, 8401-8410.	2.3	23
24	Dual therapeutic targeting of intra-articular inflammation and intracellular bacteria enhances chondroprotection in septic arthritis. <i>Science Advances</i> , 2021, 7, .	4.7	21
25	A cell-penetrating peptide blocks Toll-like receptor-mediated downstream signaling and ameliorates autoimmune and inflammatory diseases in mice. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-19.	3.2	20
26	Stem cell-directed therapies for osteoarthritis: The promise and the practice. <i>Stem Cells</i> , 2020, 38, 477-486.	1.4	19
27	Bisphosphonate-loaded Bone Cement as a Local Adjuvant Therapy for Giant Cell Tumor of Bone. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2019, 42, 231-237.	0.6	18
28	Treatment of allograft nonunions with recombinant human bone morphogenetic proteins (rhBMP). <i>Acta Orthopaedica Belgica</i> , 2004, 70, 591-7.	0.1	17
29	Characterization and comparison of the properties of sarcoma cell lines <i>in vitro</i> and <i>in vivo</i> . <i>Human Cell</i> , 2009, 22, 85-93.	1.2	16
30	Calreticulin inhibits inflammation-induced osteoclastogenesis and bone resorption. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2658-2666.	1.2	16
31	Dried plum alleviates symptoms of inflammatory arthritis in TNF transgenic mice. <i>Journal of Nutritional Biochemistry</i> , 2018, 52, 54-61.	1.9	16
32	Regional and temporal changes in the acoustic properties of fracture callus in secondary bone healing. <i>Journal of Orthopaedic Research</i> , 1997, 15, 570-576.	1.2	15
33	Evidence behind the WHO Guidelines: Hospital Care for Children: What is the Role of Prophylactic Antibiotics in the Management of Burns?. <i>Journal of Tropical Pediatrics</i> , 2008, 55, 73-77.	0.7	14
34	Zoledronate reduces unwanted bone resorption in intercalary bone allografts. <i>International Orthopaedics</i> , 2010, 34, 599-603.	0.9	13
35	Locally delivered adjuvant biofilm-penetrating antibiotics rescue impaired endochondral fracture healing caused by MRSA infection. <i>Journal of Orthopaedic Research</i> , 2021, 39, 402-414.	1.2	13
36	Smoking Alters Inflammation and Skeletal Stem and Progenitor Cell Activity During Fracture Healing in Different Murine Strains. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 186-198.	3.1	13

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37	CA-074Me compound inhibits osteoclastogenesis via suppression of the NFATc1 and c-FOS signaling pathways. <i>Journal of Orthopaedic Research</i> , 2015, 33, 1474-1486.	1.2	12
38	Tissue engineering advances in spine surgery. <i>Regenerative Medicine</i> , 2016, 11, 211-222.	0.8	12
39	Orthopaedic manifestations of Brachmann-de Lange syndrome: a report of 34 patients. <i>Journal of Pediatric Orthopaedics Part B</i> , 2004, 13, 118-122.	0.3	11
40	Whole grape alleviates inflammatory arthritis through inhibition of tumor necrosis factor. <i>Journal of Functional Foods</i> , 2017, 35, 458-465.	1.6	10
41	Magnetic resonance imaging depiction of tight iliotibial band in melorheostosis associated with severe external rotation deformity, limb shortening and patellar dislocation in planning surgical correction. <i>Skeletal Radiology</i> , 2002, 31, 49-52.	1.2	9
42	Inflammatory conversion of quiescent osteoblasts by metastatic breast cancer cells through pERK1/2 aggravates cancer-induced bone destruction. <i>Bone Research</i> , 2021, 9, 43.	5.4	9
43	Biocompatibility of platinum-based bulk metallic glass in orthopedic applications. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 045018.	1.7	8
44	Biomechanical restoration of metastatic cancer-induced peri-acetabular bone defects by ablation-osteoplasty-reinforcement-internal fixation technique (AORIF): To screw or not to screw?. <i>Clinical Biomechanics</i> , 2022, 92, 105565.	0.5	8
45	Optimal internal fixation of anatomically shaped synthetic bone grafts for massive segmental defects of long bones. <i>Clinical Biomechanics</i> , 2015, 30, 1114-1118.	0.5	7
46	Systemic Parathyroid Hormone Enhances Fracture Healing in Multiple Murine Models of Type 2 Diabetes Mellitus. <i>JBMR Plus</i> , 2020, 4, e10359.	1.3	6
47	Enhancement of Impaired MRSA-Infected Fracture Healing by Combinatorial Antibiotics and Modulation of Sustained Inflammation. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 1352-1365.	3.1	5
48	Treating "Septic" With Enhanced Antibiotics and "Arthritis" by Mitigation of Excessive Inflammation. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	5
49	Defining preoperative imaging findings of sacral chordomas associated with decreased overall survival and local recurrence. <i>Journal of Spine Surgery</i> , 2019, 5, 171-173.	0.6	2
50	Rotational Tibio-Pelvic Constrained Hip Arthroplasty: A Surgical Technique. <i>JBJS Case Connector</i> , 2019, 9, e0404-e0404.	0.1	1