

# Benjamin A Alman

## List of Publications by Year in descending order

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157  
papers

12,026  
citations

25034

57  
h-index

28297

105  
g-index

163  
all docs

163  
docs citations

163  
times ranked

16029  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of hard-nanomaterial clearance by the liver. <i>Nature Materials</i> , 2016, 15, 1212-1221.	27.5	686
2	Diagnosis and management of Duchenne muscular dystrophy, part 2: respiratory, cardiac, bone health, and orthopaedic management. <i>Lancet Neurology</i> , The, 2018, 17, 347-361.	10.2	668
3	Are Quantum Dots Toxic? Exploring the Discrepancy Between Cell Culture and Animal Studies. <i>Accounts of Chemical Research</i> , 2013, 46, 662-671.	15.6	378
4	Cutaneous wound healing: recruiting developmental pathways for regeneration. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2059-2081.	5.4	358
5	Predominance of beta-catenin mutations and beta-catenin dysregulation in sporadic aggressive fibromatosis (desmoid tumor). <i>Oncogene</i> , 1999, 18, 6615-6620.	5.9	339
6	Beta-Catenin Signaling Plays a Disparate Role in Different Phases of Fracture Repair: Implications for Therapy to Improve Bone Healing. <i>PLoS Medicine</i> , 2007, 4, e249.	8.4	334
7	Side population cells in human cancers. <i>Cancer Letters</i> , 2008, 268, 1-9.	7.2	315
8	$\beta$ -Catenin stabilization dysregulates mesenchymal cell proliferation, motility, and invasiveness and causes aggressive fibromatosis and hyperplastic cutaneous wounds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6973-6978.	7.1	298
9	Modulating hedgehog signaling can attenuate the severity of osteoarthritis. <i>Nature Medicine</i> , 2009, 15, 1421-1425.	30.7	286
10	Macrophages Promote Osteoblastic Differentiation In Vivo: Implications in Fracture Repair and Bone Homeostasis. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1090-1102.	2.8	245
11	A mutant PTH/PTHrP type I receptor in enchondromatosis. <i>Nature Genetics</i> , 2002, 30, 306-310.	21.4	240
12	Cartilage tumours and bone development: molecular pathology and possible therapeutic targets. <i>Nature Reviews Cancer</i> , 2010, 10, 481-488.	28.4	236
13	Beta-catenin regulates wound size and mediates the effect of TGF-beta in cutaneous healing. <i>FASEB Journal</i> , 2006, 20, 692-701.	0.5	198
14	Side Population Cells Isolated from Mesenchymal Neoplasms Have Tumor Initiating Potential. <i>Cancer Research</i> , 2007, 67, 8216-8222.	0.9	194
15	A Mechanism for Gene-Environment Interaction in the Etiology of Congenital Scoliosis. <i>Cell</i> , 2012, 149, 295-306.	28.9	188
16	Prestress in the extracellular matrix sensitizes latent TGF- $\beta$ 1 for activation. <i>Journal of Cell Biology</i> , 2014, 207, 283-297.	5.2	184
17	Complications of Elastic Stable Intramedullary Nail Fixation of Pediatric Femoral Fractures, and How to Avoid Them. <i>Journal of Pediatric Orthopaedics</i> , 2004, 24, 363-369.	1.2	182
18	Phenotype Determines Nanoparticle Uptake by Human Macrophages from Liver and Blood. <i>ACS Nano</i> , 2017, 11, 2428-2443.	14.6	180

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19	$\beta$ -Catenin Signaling Pathway Is Crucial for Bone Morphogenetic Protein 2 to Induce New Bone Formation. <i>Journal of Biological Chemistry</i> , 2007, 282, 526-533.	3.4	177
20	Scoliosis: Review of diagnosis and treatment. <i>Paediatrics and Child Health</i> , 2007, 12, 771-776.	0.6	174
21	Generation of articular chondrocytes from human pluripotent stem cells. <i>Nature Biotechnology</i> , 2015, 33, 638-645.	17.5	171
22	Ultrafast Mid-IR Laser Scalpel: Protein Signals of the Fundamental Limits to Minimally Invasive Surgery. <i>PLoS ONE</i> , 2010, 5, e13053.	2.5	165
23	Wnt pathway, an essential role in bone regeneration. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 353-362.	2.6	159
24	Exposure to a youthful circulation rejuvenates bone repair through modulation of $\beta$ -catenin. <i>Nature Communications</i> , 2015, 6, 7131.	12.8	159
25	The Role of the Immune Cells in Fracture Healing. <i>Current Osteoporosis Reports</i> , 2018, 16, 138-145.	3.6	152
26	Growth factors regulate $\beta$ -catenin-mediated TCF-dependent transcriptional activation in fibroblasts during the proliferative phase of wound healing. <i>Experimental Cell Research</i> , 2004, 293, 267-274.	2.6	141
27	Constitutive Hedgehog Signaling in Chondrosarcoma Up-Regulates Tumor Cell Proliferation. <i>American Journal of Pathology</i> , 2006, 168, 321-330.	3.8	141
28	T-Lymphocytes Enable Osteoblast Maturation via IL-17F during the Early Phase of Fracture Repair. <i>PLoS ONE</i> , 2012, 7, e40044.	2.5	141
29	Opportunities for improving the therapeutic ratio for patients with sarcoma. <i>Lancet Oncology</i> , The, 2007, 8, 513-524.	10.7	133
30	Aggressive Fibromatosis (Desmoid Tumor) is A Monoclonal Disorder. <i>Diagnostic Molecular Pathology</i> , 1997, 6, 98-101.	2.1	130
31	Steroid Treatment and the Development of Scoliosis in Males with Duchenne Muscular Dystrophy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2004, 86, 519-524.	3.0	126
32	Adenomatous Polyposis Coli Gene Mutation Alters Proliferation through its $\beta$ -Catenin-Regulatory Function in Aggressive Fibromatosis (Desmoid Tumor). <i>American Journal of Pathology</i> , 1998, 153, 709-714.	3.8	119
33	Mutant <i>IDH1</i> is sufficient to initiate enchondromatosis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2829-2834.	7.1	115
34	Erythromyeloid progenitors give rise to a population of osteoclasts that contribute to bone homeostasis and repair. <i>Nature Cell Biology</i> , 2020, 22, 49-59.	10.3	114
35	Aggressive Fibromatosis (Desmoid Tumor) Is Derived from Mesenchymal Progenitor Cells. <i>Cancer Research</i> , 2010, 70, 7690-7698.	0.9	110
36	Suppressor of Fused Negatively Regulates $\beta$ -Catenin Signaling. <i>Journal of Biological Chemistry</i> , 2001, 276, 40113-40119.	3.4	109

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37	Î²-Catenin-regulated myeloid cell adhesion and migration determine wound healing. <i>Journal of Clinical Investigation</i> , 2014, 124, 2599-2610.	8.2	108
38	Prenatal diagnosis and the pediatric surgeon: The impact of prenatal consultation on perinatal management. <i>Journal of Pediatric Surgery</i> , 1996, 31, 156-163.	1.6	107
39	Parents™ and Patients™ Perceptions of Postoperative Appearance in Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2006, 31, 2367-2374.	2.0	107
40	The role of hedgehog signalling in skeletal health and disease. <i>Nature Reviews Rheumatology</i> , 2015, 11, 552-560.	8.0	105
41	Cyclooxygenase-two (COX-2) modulates proliferation in aggressive fibromatosis (desmoid tumor). <i>Oncogene</i> , 2001, 20, 451-460.	5.9	100
42	A germline mutation at the extreme 3' end of the APC gene results in a severe desmoid phenotype and is associated with overexpression of beta-catenin in the desmoid tumor. <i>Clinical Genetics</i> , 2000, 57, 205-212.	2.0	95
43	Sensitivity of a clinical examination to predict need for radiography in children with ankle injuries: a prospective study. <i>Lancet, The</i> , 2001, 358, 2118-2121.	13.7	94
44	A Randomized, Controlled Trial of a Removable Brace Versus Casting in Children With Low-Risk Ankle Fractures. <i>Pediatrics</i> , 2007, 119, e1256-e1263.	2.1	91
45	Reflections on Competency-Based Education and Training for Surgical Residents. <i>Journal of Surgical Education</i> , 2014, 71, 151-158.	2.5	89
46	Macrophage cells secrete factors including LRP1 that orchestrate the rejuvenation of bone repair in mice. <i>Nature Communications</i> , 2018, 9, 5191.	12.8	87
47	Digital Nerves of the Foot: Anatomic Variations and Implications Regarding the Pathogenesis of Interdigital Neuroma. <i>Foot &amp; Ankle</i> , 1993, 14, 208-214.	0.7	85
48	Construct validity and reliability of a real-time multidimensional smartphone app to assess pain in children and adolescents with cancer. <i>Pain</i> , 2015, 156, 2607-2615.	4.2	85
49	Gli2 and p53 Cooperate to Regulate IGFBP-3-Mediated Chondrocyte Apoptosis in the Progression from Benign to Malignant Cartilage Tumors. <i>Cancer Cell</i> , 2009, 16, 126-136.	16.8	80
50	Oligodontia Is Caused by Mutation in LTBP3, the Gene Encoding Latent TGF-Î² Binding Protein 3. <i>American Journal of Human Genetics</i> , 2009, 84, 519-523.	6.2	79
51	Prolonged Î²-catenin stabilization and tcf-dependent transcriptional activation in hyperplastic cutaneous wounds. <i>Laboratory Investigation</i> , 2005, 85, 416-425.	3.7	78
52	Activating mutations of Gs protein in monostotic fibrous lesions of bone. <i>Journal of Orthopaedic Research</i> , 1996, 14, 311-315.	2.3	77
53	Progress in the Understanding of the Genetic Etiology of Vertebral Segmentation Disorders in Humans. <i>Annals of the New York Academy of Sciences</i> , 2009, 1151, 38-67.	3.8	70
54	Beta-catenin expression in Dupuytren's disease: potential role for cell-matrix interactions in modulating beta-catenin levels in vivo and in vitro. <i>Oncogene</i> , 2003, 22, 3680-3684.	5.9	62

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55	Hedgehog inhibits $\beta$ -catenin activity in synovial joint development and osteoarthritis. <i>Journal of Clinical Investigation</i> , 2016, 126, 1649-1663.	8.2	62
56	Hedgehog Pathway Inhibition in Chondrosarcoma Using the Smoothened Inhibitor IPI-926 Directly Inhibits Sarcoma Cell Growth. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1259-1269.	4.1	61
57	Eight-year outcomes of a competency-based residency training program in orthopedic surgery. <i>Medical Teacher</i> , 2018, 40, 1042-1054.	1.8	61
58	Does Spinal Fusion Influence Quality of Life in Neuromuscular Scoliosis?. <i>Spine</i> , 2007, 32, S120-S125.	2.0	59
59	$\beta$ -Catenin in the race to fracture repair: in it to Wnt. <i>Nature Clinical Practice Rheumatology</i> , 2008, 4, 413-419.	3.2	58
60	Fibronectin and $\beta$ -Catenin Act in a Regulatory Loop in Dermal Fibroblasts to Modulate Cutaneous Healing. <i>Journal of Biological Chemistry</i> , 2011, 286, 27687-27697.	3.4	57
61	The Canadian experience with long-term deflazacort treatment in Duchenne muscular dystrophy. <i>Acta Myologica</i> , 2012, 31, 16-20.	1.5	57
62	Platelet-derived growth factor in fibrous musculoskeletal disorders: A study of pathologic tissue sections and in vitro primary cell cultures. <i>Journal of Orthopaedic Research</i> , 1995, 13, 67-77.	2.3	55
63	Amniotic band syndrome in fetal lambs I: Fetoscopic release and morphometric outcome. <i>Journal of Pediatric Surgery</i> , 1995, 30, 974-978.	1.6	53
64	PTHrP regulates growth plate chondrocyte differentiation and proliferation in a Gli3 dependent manner utilizing hedgehog ligand dependent and independent mechanisms. <i>Developmental Biology</i> , 2007, 305, 28-39.	2.0	52
65	Kif7 promotes hedgehog signaling in growth plate chondrocytes by restricting the inhibitory function of Sufu. <i>Development (Cambridge)</i> , 2011, 138, 3791-3801.	2.5	50
66	Pathogenesis of Radiation-Induced Capsular Contracture in Tissue Expander and Implant Breast Reconstruction. <i>Plastic and Reconstructive Surgery</i> , 2010, 125, 437-445.	1.4	49
67	Regulation of Cholesterol Homeostasis by Hedgehog Signaling in Osteoarthritic Cartilage. <i>Arthritis and Rheumatology</i> , 2016, 68, 127-137.	5.6	49
68	Identification of IGFBP-6 as a significantly downregulated gene by $\beta$ -catenin in desmoid tumors. <i>Oncogene</i> , 2004, 23, 654-664.	5.9	47
69	Open reduction and internal fixation of unstable slipped capital femoral epiphysis by means of surgical dislocation does not decrease the rate of avascular necrosis: A preliminary study. <i>Journal of Children's Orthopaedics</i> , 2012, 6, 277-283.	1.1	47
70	Pax7 Expressing Cells Contribute to Dermal Wound Repair, Regulating Scar Size through a $\beta$ -Catenin Mediated Process. <i>Stem Cells</i> , 2011, 29, 1371-1379.	3.2	44
71	Involvement and targeted intervention of dysregulated Hedgehog signaling in osteosarcoma. <i>Cancer</i> , 2014, 120, 537-547.	4.1	43
72	Aggressive Fibromatosis. <i>Journal of Pediatric Orthopaedics</i> , 1992, 12, 1-10.	1.2	41

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73	Aggressive Fibromatosis. <i>Journal of Pediatric Orthopaedics</i> , 1992, 12, 1-10.	1.2	41
74	Fibromatoses in childhood: The desmoid/fibromatosis complex. <i>Medical and Pediatric Oncology</i> , 2001, 37, 126-131.	1.0	41
75	Matrix Metalloproteinase Activity Modulates Tumor Size, Cell Motility, and Cell Invasiveness in Murine Aggressive Fibromatosis. <i>Cancer Research</i> , 2004, 64, 5795-5803.	0.9	39
76	Inhibition of Notch Signaling Induces Neural Differentiation in Ewing Sarcoma. <i>American Journal of Pathology</i> , 2007, 170, 1686-1694.	3.8	39
77	Abnormal fatty acid metabolism in spinal muscular atrophy may predispose to perioperative risks. <i>European Journal of Paediatric Neurology</i> , 2012, 16, 549-553.	1.6	39
78	Regulation of proliferation and platelet-derived growth factor expression in palmar fibromatosis (Dupuytren contracture) by mechanical strain. <i>Journal of Orthopaedic Research</i> , 1996, 14, 722-728.	2.3	38
79	Surgeon Reliability in Rating Physical Deformity in Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2007, 32, 363-367.	2.0	38
80	Hedgehog and Notch Signaling Regulate Self-Renewal of Undifferentiated Pleomorphic Sarcomas. <i>Cancer Research</i> , 2012, 72, 1013-1022.	0.9	38
81	Î²-Catenin Is a Mediator of the Response of Fibroblasts to Irradiation. <i>American Journal of Pathology</i> , 2009, 174, 248-255.	3.8	36
82	Activation of hedgehog signaling during fracture repair enhances osteoblastic-dependent matrix formation. <i>Journal of Orthopaedic Research</i> , 2014, 32, 581-586.	2.3	35
83	Patient Outcomes in the Operative and Nonoperative Management of High-Grade Spondylolisthesis in Children. <i>Journal of Pediatric Orthopaedics</i> , 2014, 34, 483-489.	1.2	35
84	Mesenchymal Tumors Can Derive from Ng2/Cspg4-Expressing Pericytes with Î²-Catenin Modulating the Neoplastic Phenotype. <i>Cell Reports</i> , 2016, 16, 917-927.	6.4	35
85	Multiple Hereditary Exostosis and Hedgehog Signaling: Implications for Novel Therapies. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 63-67.	3.0	32
86	Optimal therapy for desmoid tumors: current options and challenges for the future. <i>Expert Review of Anticancer Therapy</i> , 2015, 15, 1443-1458.	2.4	32
87	Improvement in Quality of Life Following Surgery for Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2007, 32, 2715-2718.	2.0	29
88	Monocyte/Macrophage Lineage Cells From Fetal Erythromyeloid Progenitors Orchestrate Bone Remodeling and Repair. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 622035.	3.7	29
89	Adynamic Bone Decreases Bone Toughness During Aging by Affecting Mineral and Matrix. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 369-379.	2.8	28
90	IFN-Î² Signaling Positively Regulates Tumorigenesis in Aggressive Fibromatosis, Potentially by Modulating Mesenchymal Progenitors. <i>Cancer Research</i> , 2007, 67, 7124-7131.	0.9	27

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91	A Metabolomics Pilot Study on Desmoid Tumors and Novel Drug Candidates. <i>Scientific Reports</i> , 2018, 8, 584.	3.3	27
92	Yolk-sac-derived macrophages progressively expand in the mouse kidney with age. <i>ELife</i> , 2020, 9, .	6.0	27
93	The origins and roles of osteoclasts in bone development, homeostasis and repair. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	27
94	Developmental Pathways in Musculoskeletal Neoplasia: Involvement of the Indian Hedgehog-Parathyroid Hormone-Related Protein Pathway. <i>Pediatric Research</i> , 2003, 53, 539-543.	2.3	26
95	Competency-based education: a new model for teaching orthopaedics. <i>Instructional Course Lectures</i> , 2013, 62, 565-9.	0.2	25
96	Heal Thyself: Using Endogenous Regeneration to Repair Bone. <i>Tissue Engineering - Part B: Reviews</i> , 2011, 17, 431-436.	4.8	24
97	Familial Adenomatous Polyposis-Associated Desmoids Display Significantly More Genetic Changes than Sporadic Desmoids. <i>PLoS ONE</i> , 2011, 6, e24354.	2.5	24
98	Tracing Tumor Evolution in Sarcoma Reveals Clonal Origin of Advanced Metastasis. <i>Cell Reports</i> , 2019, 28, 2837-2850.e5.	6.4	23
99	Should Foot Surgery Be Performed for Children With Duchenne Muscular Dystrophy?. <i>Journal of Pediatric Orthopaedics</i> , 2005, 25, 95-97.	1.2	22
100	Mutations Preventing Regulated Exon Skipping in MET Cause Osteofibrous Dysplasia. <i>American Journal of Human Genetics</i> , 2015, 97, 837-847.	6.2	22
101	Student-led learning: a new teaching paradigm for surgical skills. <i>American Journal of Surgery</i> , 2015, 209, 107-114.	1.8	22
102	Unique and overlapping GLI1 and GLI2 transcriptional targets in neoplastic chondrocytes. <i>PLoS ONE</i> , 2019, 14, e0211333.	2.5	22
103	Parameters for Lithium Treatment Are Critical in Its Enhancement of Fracture-Healing in Rodents. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 1990-1998.	3.0	21
104	Pharmacologically targeting beta-catenin for NF1 associated deficiencies in fracture repair. <i>Bone</i> , 2017, 98, 31-36.	2.9	21
105	Surgical Decision Making in Adolescent Idiopathic Scoliosis. <i>Spine</i> , 2007, 32, 1526-1532.	2.0	20
106	Beta-catenin Mediates Soft Tissue Contracture in Clubfoot. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 1180-1185.	1.5	20
107	Plasminogen activator inhibitor-1 (PAI-1) modifies the formation of aggressive fibromatosis (desmoid) Tj ETQq1 1 0,784314 rgBT /Overlo	5.9	19
108	Percutaneous Screw Fixation Promotes Healing of Lateral Condyle Nonunion in Children. <i>Journal of Pediatric Orthopaedics</i> , 2014, 34, 155-160.	1.2	18

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109	Intracellular biosynthesis of lipids and cholesterol by Scap and Insig in mesenchymal cells regulates long bone growth and chondrocyte homeostasis. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	18
110	Duchenne Muscular Dystrophy and Steroids. <i>Journal of Pediatric Orthopaedics</i> , 2005, 25, 554-556.	1.2	17
111	Radiation Effects and Radioprotection in MC3T3-E1 Mouse Calvarial Osteoblastic Cells. <i>Plastic and Reconstructive Surgery</i> , 2008, 122, 1025-1035.	1.4	16
112	A High Throughput Screen Identifies Nefopam as Targeting Cell Proliferation in $\beta$ -Catenin Driven Neoplastic and Reactive Fibroproliferative Disorders. <i>PLoS ONE</i> , 2012, 7, e37940.	2.5	16
113	Targeting Stem Cell Behavior in Desmoid Tumors (Aggressive Fibromatosis) by Inhibiting Hedgehog Signaling. <i>Neoplasia</i> , 2013, 15, 712-719.	5.3	16
114	Effects of chondroitin sulfate proteoglycan 4 (NG2/CSPG4) on soft-tissue sarcoma growth depend on tumor developmental stage. <i>Journal of Biological Chemistry</i> , 2018, 293, 2466-2475.	3.4	16
115	Differential collagen I gene expression in fetal fibroblasts. <i>Journal of Pediatric Surgery</i> , 1997, 32, 1033-1036.	1.6	15
116	RNA extraction from human articular cartilage by chondrocyte isolation. <i>Analytical Biochemistry</i> , 2012, 429, 39-41.	2.4	15
117	A New Cre Driver Mouse Line, Tcf21/Pod1-Cre, Targets Metanephric Mesenchyme. <i>PLoS ONE</i> , 2012, 7, e40547.	2.5	15
118	Identification of CD146 as a marker enriched for tumor-propagating capacity reveals targetable pathways in primary human sarcoma. <i>Oncotarget</i> , 2015, 6, 40283-40294.	1.8	15
119	Solitary Osteochondroma of the Clavicle. <i>Journal of Pediatric Orthopaedics</i> , 1991, 11, 181-183.	1.2	13
120	A Classification for Genetic Disorders of Interest to Orthopaedists. <i>Clinical Orthopaedics and Related Research</i> , 2002, 401, 17-26.	1.5	13
121	Suppressor of Fused (Sufu) Mediates the Effect of Parathyroid Hormone-like Hormone (Pthlh) on Chondrocyte Differentiation in the Growth Plate. <i>Journal of Biological Chemistry</i> , 2012, 287, 36222-36228.	3.4	13
122	Protecting the hedgerow: p53 and Hedgehog pathway interactions. <i>Cell Cycle</i> , 2010, 9, 506-511.	2.6	12
123	Don't hedge your bets: Hedgehog signaling as a central mediator of endochondral bone development and cartilage diseases. <i>Journal of Orthopaedic Research</i> , 2011, 29, 810-815.	2.3	12
124	$\beta$ -Catenin modulation in neurofibromatosis type 1 bone repair: therapeutic implications. <i>FASEB Journal</i> , 2016, 30, 3227-3237.	0.5	12
125	Orthopaedic manifestations of Brachmannâ€ˆde Lange syndrome: a report of 34 patients. <i>Journal of Pediatric Orthopaedics Part B</i> , 2004, 13, 118-122.	0.6	11
126	PATCHED-ONE or SMOOTHENED Gene Mutations Are Infrequent in Chondrosarcoma. <i>Clinical Orthopaedics and Related Research</i> , 2008, 466, 2184-2189.	1.5	11



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127	Mutant IDH and non-mutant chondrosarcomas display distinct cellular metabolomes. <i>Cancer &amp; Metabolism</i> , 2021, 9, 13.	5.0	11
128	Intracellular cholesterol biosynthesis in enchondroma and chondrosarcoma. <i>JCI Insight</i> , 2019, 4, .	5.0	11
129	Bone Marrow Stress Decreases Osteogenic Progenitors. <i>Calcified Tissue International</i> , 2015, 97, 476-486.	3.1	9
130	Bone morphogenetic proteins are expressed by both bone-forming and non-bone-forming lesions. <i>Archives of Pathology and Laboratory Medicine</i> , 2004, 128, 1267-69.	2.5	9
131	Fracture failure mechanisms in patients with osteogenesis imperfecta. <i>Journal of Orthopaedic Research</i> , 1987, 5, 139-143.	2.3	8
132	Development, validation and characterization of a novel mouse model of Adynamic Bone Disease (ABD). <i>Bone</i> , 2014, 68, 57-66.	2.9	8
133	Enchondromatosis and Growth Plate Development. <i>Current Osteoporosis Reports</i> , 2021, 19, 40-49.	3.6	8
134	Molecular diagnosis of vertebral segmentation disorders in humans. <i>Expert Opinion on Medical Diagnostics</i> , 2008, 2, 1107-1121.	1.6	7
135	In desmoid-type fibromatosis cells sorafenib induces ferroptosis and apoptosis, which are enhanced by autophagy inhibition. <i>European Journal of Surgical Oncology</i> , 2022, 48, 1527-1535.	1.0	7
136	CRISPR-SID: Identifying EZH2 as a druggable target for desmoid tumors via inÂvivo dependency mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	6
137	An association between the 4G polymorphism in the PAI-1 promoter and the development of aggressive fibromatosis (desmoid tumor) in familial adenomatous polyposis patients. <i>Familial Cancer</i> , 2007, 6, 89-95.	1.9	5
138	Parathyroid Hormoneâ€Related Protein Regulates Gliomaâ€Associated Oncogene Transcriptional Activation. <i>Annals of the New York Academy of Sciences</i> , 2008, 1144, 36-41.	3.8	5
139	Pharmacologic targeting of $\beta$ -catenin improves fracture healing in old mice. <i>Scientific Reports</i> , 2019, 9, 9005.	3.3	5
140	Plagiarism: An assault on the integrity of scientific research. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1867-1868.	2.3	4
141	Distinct Roles of Glutamine Metabolism in Benign and Malignant Cartilage Tumors With IDH Mutations. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 983-996.	2.8	4
142	Disruption of Crosstalk between Mesenchymal Stromal and Tumor Cells in Bone Marrow as a Therapeutic Target to Prevent Metastatic Bone Disease. <i>Journal of Cellular Physiology</i> , 2014, 229, 1884-1886.	4.1	3
143	Challenges and Solutions to Academic Orthopaedics in Current Health-Care Economics. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, e38.	3.0	3
144	Robert Bruce Salter, C.C., MD, FRCSC. Dec 15, 1924â€May 10, 2010. <i>Journal of Children's Orthopaedics</i> , 2010, 4, 275-276.	1.1	2

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145	Growth Modulation by Stimulating the Growth Plate: A Pilot Study. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2339-2345.	1.5	2
146	Parabiosis: Assessing the Effects of Circulating Cells and Factors on the Skeleton. <i>Methods in Molecular Biology</i> , 2021, 2230, 105-113.	0.9	2
147	Subtalar Arthrodesis for Stabilization of Valgus Hindfoot in Patients with Cerebral Palsy. <i>Journal of Pediatric Orthopaedics</i> , 1993, 13, 634-641.	1.2	2
148	The Fourth Year of Medical School: Time for Reassessment. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, e72.	3.0	1
149	Efficacy of auranofin as an inhibitor of desmoid progression. <i>Scientific Reports</i> , 2022, 12, .	3.3	1
150	Etiology and treatment of fibrous dysplasia. <i>Current Opinion in Orthopaedics</i> , 1997, 8, 25-29.	0.3	0
151	47: PSEF 2005 Research Fellowship ??? Lyndon Peer: Mechanisms of Radiation Injury and Cytoprotection in Osteoblasts. <i>Plastic and Reconstructive Surgery</i> , 2006, 118, 40-41.	1.4	0
152	CYP3A4/5 and pharmacogenetics in patients with sarcoma – Authors' reply. <i>Lancet Oncology</i> , The, 2007, 8, 668-669.	10.7	0
153	Board 383 - Research Abstract Examining the Effects of a Student-Led Learning Paradigm in a Simulation-Based Surgical Skills Course (Submission #564). <i>Simulation in Healthcare</i> , 2013, 8, 565-566.	1.2	0
154	On the shoulders of giants: The future of the <i>Journal of Orthopaedic Research</i> . <i>Journal of Orthopaedic Research</i> , 2014, 32, 1095-1096.	2.3	0
155	Letter to the Editor Response. <i>Journal of Surgical Education</i> , 2014, 71, 652-653.	2.5	0
156	Tumor-propagating side population cells are a dynamic subpopulation in undifferentiated pleomorphic sarcoma. <i>JCI Insight</i> , 2021, 6, .	5.0	0
157	Tracing Tumor Evolution in Sarcoma Reveals Clonal Origin of Metastasis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0