Richard M Terek

List of Publications by Year
in descending order

52 papers	2,159 citations	185998 28 h-index	223531 46 g-index
54 all docs	54 docs citations	54 times ranked	2770 citing authors

#	Article	IF	Citations
1	Ptpn11 deletion in a novel progenitor causes metachondromatosis by inducing hedgehog signalling. Nature, 2013, 499, 491-495.	13.7	190
2	Hypoxia induces HIF-1Å'Â± and VEGF expression in chondrosarcoma cells and chondrocytes. Journal of Orthopaedic Research, 2004, 22, 1175-1181.	1.2	167
3	Activation of Indian hedgehog promotes chondrocyte hypertrophy and upregulation of MMP-13 in human osteoarthritic cartilage. Osteoarthritis and Cartilage, 2012, 20, 755-763.	0.6	123
4	Chemotherapy and P-glycoprotein expression in chondrosarcoma. Journal of Orthopaedic Research, 1998, 16, 585-590.	1.2	98
5	Disrupting the Indian hedgehog signaling pathway in vivo attenuates surgically induced osteoarthritis progression in Col2a1-CreERT2; Ihhfl/fl mice. Arthritis Research and Therapy, 2014, 16, R11.	1.6	88
6	CT-based Structural Rigidity Analysis Is More Accurate Than Mirels Scoring for Fracture Prediction in Metastatic Femoral Lesions. Clinical Orthopaedics and Related Research, 2016, 474, 643-651.	0.7	84
7	Role of Transforming Growth Factor-? in Fracture Repair. Annals of the New York Academy of Sciences, 1990, 593, 107-123.	1.8	79
8	CXCR4/SDF1 mediate hypoxia induced chondrosarcoma cell invasion through ERK signaling and increased MMP1 expression. Molecular Cancer, 2010, 9, 17.	7.9	71
9	Identification of Î±₂â€Macroglobulin as a Master Inhibitor of Cartilageâ€Degrading Factors That Attenuates the Progression of Posttraumatic Osteoarthritis. Arthritis and Rheumatology, 2014, 66, 1843-1853.	2.9	66
10	Allograft Reconstruction After Proximal Tibial Resection for Bone Tumors. Clinical Orthopaedics and Related Research, 1994, &NA;, 116???127.	0.7	65
11	The role of preoperative chemotherapy in the treatment of infantile fibrosarcoma. Journal of Pediatric Surgery, 2000, 35, 880-883.	0.8	65
12	CXCR4-Targeted Therapy Inhibits VEGF Expression and Chondrosarcoma Angiogenesis and Metastasis. Molecular Cancer Therapeutics, 2013, 12, 1163-1170.	1.9	64
13	Stimulation of chondrocyte hypertrophy by chemokine stromal cell-derived factor 1 in the chondro-osseous junction during endochondral bone formation. Developmental Biology, 2010, 341, 236-245.	0.9	59
14	HDAC4 Represses Vascular Endothelial Growth Factor Expression in Chondrosarcoma by Modulating RUNX2 Activity. Journal of Biological Chemistry, 2009, 284, 21881-21890.	1.6	57
15	miR-181a Targets RGS16 to Promote Chondrosarcoma Growth, Angiogenesis, and Metastasis. Molecular Cancer Research, 2015, 13, 1347-1357.	1.5	57
16	Multidrug resistance-1 and p-glycoprotein in human chondrosarcoma cell lines: Expression correlates with decreased intracellular doxorubicin andin vitro chemoresistance. Journal of Orthopaedic Research, 1999, 17, 935-940.	1.2	55
17	p53 Mutations in Chondrosarcoma. Diagnostic Molecular Pathology, 1998, 7, 51-56.	2.1	51
18	Molecular characterization of mesenchymal stem cells in human osteoarthritis cartilage reveals contribution to the OA phenotype. Scientific Reports, 2018, 8, 7044.	1.6	46

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19	Treatment Planning and Fracture Prediction in Patients with Skeletal Metastasis with CT-Based Rigidity Analysis. Clinical Cancer Research, 2015, 21, 2514-2519.	3.2	43
20	MicroRNA Regulates Vascular Endothelial Growth Factor Expression in Chondrosarcoma Cells. Clinical Orthopaedics and Related Research, 2015, 473, 907-913.	0.7	42
21	Gadolinium inhibits thymidine incorporation and induces apoptosis in chondrocytes. Journal of Orthopaedic Research, 2001, 19, 797-801.	1.2	41
22	Chondrocyte death induced by pathological concentration of chemokine stromal cell-derived factor-1. Journal of Rheumatology, 2006, 33, 1818-26.	1.0	38
23	Crankshaft Phenomenon in Congenital Scoliosis: A Preliminary Report. Journal of Pediatric Orthopaedics, 1991, 11, 527-532.	0.6	37
24	Matrilin-3 Induction of IL-1 receptor antagonist Is required for up-regulating collagen II and aggrecan and down-regulating ADAMTS-5 gene expression. Arthritis Research and Therapy, 2012, 14, R197.	1.6	37
25	Case 29-2001. New England Journal of Medicine, 2001, 345, 903-908.	13.9	35
26	Angiogenic Cytokines in Cartilage Tumors. Clinical Orthopaedics and Related Research, 2002, 397, 62-69.	0.7	33
27	Subcellular relocation of histone deacetylase 4 regulates growth plate chondrocyte differentiation through Ca²⁺/calmodulin-dependent kinase IV. American Journal of Physiology - Cell Physiology, 2012, 303, C33-C40.	2.1	31
28	Pathologic Neovascularization in Cartilage Tumors. Clinical Orthopaedics and Related Research, 2002, 397, 76-82.	0.7	30
29	Anti-miRNA Oligonucleotide Therapy for Chondrosarcoma. Molecular Cancer Therapeutics, 2019, 18, 2021-2029.	1.9	30
30	Cancer/testis antigen CSAGE is concurrently expressed with MAGE in chondrosarcoma. Gene, 2002, 285, 269-278.	1.0	28
31	Human Cartilage-Derived Progenitors Resist Terminal Differentiation and Require CXCR4 Activation to Successfully Bridge Meniscus Tissue Tears. Stem Cells, 2019, 37, 102-114.	1.4	27
32	Benign Tumors of the Spine. Journal of the American Academy of Orthopaedic Surgeons, The, 2012, 20, 715-724.	1.1	26
33	Molecular Biology and Therapeutics in Musculoskeletal Oncology*. Journal of Bone and Joint Surgery - Series A, 2009, 91, 724-732.	1.4	25
34	Recent Advances in the Basic Science of Chondrosarcoma. Orthopedic Clinics of North America, 2006, 37, 9-14.	0.5	23
35	PTEN Mutation Is Rare in Chondrosarcoma. Diagnostic Molecular Pathology, 2002, 11, 22-26.	2.1	21
36	Benign Tumors of the Spine. Journal of the American Academy of Orthopaedic Surgeons, The, 2012, 20, 715-724.	1.1	21

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37	Does CT-based Rigidity Analysis Influence Clinical Decision-making in Simulations of Metastatic Bone Disease?. Clinical Orthopaedics and Related Research, 2016, 474, 652-659.	0.7	19
38	Treatment of femoral Ewing's sarcoma. , 1996, 78, 70-78.		18
39	Malignant ecrrine poroma of the hand: A case report. Journal of Hand Surgery, 1997, 22, 511-514.	0.7	15
40	Clinical Evaluation of the Knee. New England Journal of Medicine, 2010, 363, e5.	13.9	14
41	Lysis of human chondrosarcoma cells by cytolytic T lymphocytes recognizing a MAGE-A3 antigen presented by HLA-A1 molecules. Journal of Orthopaedic Research, 2007, 25, 678-684.	1.2	10
42	Management of Extremity Soft-Tissue Sarcomas. Clinical Orthopaedics and Related Research, 1993, &NA;, 66???72.	0.7	9
43	Locking Buttons Increase Fatigue Life of Locking Plates in a Segmental Bone Defect Model. Clinical Orthopaedics and Related Research, 2013, 471, 1039-1044.	0.7	9
44	Angiogenesis in chondrosarcoma. Current Opinion in Orthopaedics, 2002, 13, 449-453.	0.3	4
45	Fresh Osteochondral Allograft Transplantation for Treatment of Chondroblastoma of the Femoral Head. JBJS Case Connector, 2013, 3, e13.	0.1	4
46	Osteoarticular allograft reconstruction for tumors of the distal femur and proximal tibia. Operative Techniques in Orthopaedics, 2004, 14, 236-242.	0.2	2
47	CORR InsightsÂ®: Complications of Cemented Long-stem Hip Arthroplasties in Metastatic Bone Disease Revisited. Clinical Orthopaedics and Related Research, 2013, 471, 3308-3309.	0.7	1
48	How orthopedic surgeons view open label placebo pills: Ethical and effective, but opposed to personal use. Journal of Psychosomatic Research, 2021, 151, 110638.	1.2	1
49	Activation of Indian hedgehog promotes chondrocyte hypertrophy and upregulation of MMP-13 in human osteoarthritic cartilage. Bone, 2010, 47, S361-S362.	1.4	0
50	CT-based structural rigidity analysis yields high specificity and sensitivity for femoral fracture prediction. Journal of the American College of Surgeons, 2012, 215, S62.	0.2	0
51	CORR InsightsÂ®: Is Surgical Resection of the Primary Site Associated with an Improved Overall Survival for Patients with Primary Malignant Bone Tumors Who Have Metastatic Disease at Presentation?. Clinical Orthopaedics and Related Research, 2020, 478, 2296-2299.	0.7	0
52	Janus Base Derived Nanopieces for Delivery of Anti-miRNA Oligonucleotides in Chondrosarcoma. Transactions of the Annual Meeting of the Orthopaedic Research Society, 2019, 44, .	0.0	0