

# Richard M Terek

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51  
papers

1,786  
citations

27  
h-index

42  
g-index

54  
ext. papers

1,972  
ext. citations

7.8  
avg, IF

4.21  
L-index

#	Paper	IF	Citations
51	Hypoxia induces HIF-1alpha and VEGF expression in chondrosarcoma cells and chondrocytes. <i>Journal of Orthopaedic Research</i> , <b>2004</b> , 22, 1175-81	3.8	148
50	Ptpn11 deletion in a novel progenitor causes metachondromatosis by inducing hedgehog signalling. <i>Nature</i> , <b>2013</b> , 499, 491-5	50.4	145
49	Activation of Indian hedgehog promotes chondrocyte hypertrophy and upregulation of MMP-13 in human osteoarthritic cartilage. <i>Osteoarthritis and Cartilage</i> , <b>2012</b> , 20, 755-63	6.2	101
48	Chemotherapy and P-glycoprotein expression in chondrosarcoma. <i>Journal of Orthopaedic Research</i> , <b>1998</b> , 16, 585-90	3.8	93
47	Disrupting the Indian hedgehog signaling pathway in vivo attenuates surgically induced osteoarthritis progression in Col2a1-CreERT2; Ihhfl/fl mice. <i>Arthritis Research and Therapy</i> , <b>2014</b> , 16, R115-7	5.7	72
46	Role of transforming growth factor-beta in fracture repair. <i>Annals of the New York Academy of Sciences</i> , <b>1990</b> , 593, 107-23	6.5	69
45	CXCR4/SDF1 mediate hypoxia induced chondrosarcoma cell invasion through ERK signaling and increased MMP1 expression. <i>Molecular Cancer</i> , <b>2010</b> , 9, 17	42.1	65
44	CT-based Structural Rigidity Analysis Is More Accurate Than Mirels Scoring for Fracture Prediction in Metastatic Femoral Lesions. <i>Clinical Orthopaedics and Related Research</i> , <b>2016</b> , 474, 643-51	2.2	62
43	CXCR4-targeted therapy inhibits VEGF expression and chondrosarcoma angiogenesis and metastasis. <i>Molecular Cancer Therapeutics</i> , <b>2013</b> , 12, 1163-70	6.1	55
42	Stimulation of chondrocyte hypertrophy by chemokine stromal cell-derived factor 1 in the chondro-osseous junction during endochondral bone formation. <i>Developmental Biology</i> , <b>2010</b> , 341, 236-45	2.1	54
41	Multidrug resistance-1 and p-glycoprotein in human chondrosarcoma cell lines: expression correlates with decreased intracellular doxorubicin and in vitro chemoresistance. <i>Journal of Orthopaedic Research</i> , <b>1999</b> , 17, 935-40	3.8	54
40	The role of preoperative chemotherapy in the treatment of infantile fibrosarcoma. <i>Journal of Pediatric Surgery</i> , <b>2000</b> , 35, 880-3	2.6	52
39	Identification of $\alpha$ -macroglobulin as a master inhibitor of cartilage-degrading factors that attenuates the progression of posttraumatic osteoarthritis. <i>Arthritis and Rheumatology</i> , <b>2014</b> , 66, 1843-53	9.5	49
38	HDAC4 represses vascular endothelial growth factor expression in chondrosarcoma by modulating RUNX2 activity. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 21881-21890	5.4	47
37	p53 mutations in chondrosarcoma. <i>Diagnostic Molecular Pathology</i> , <b>1998</b> , 7, 51-6		44
36	miR-181a Targets RGS16 to Promote Chondrosarcoma Growth, Angiogenesis, and Metastasis. <i>Molecular Cancer Research</i> , <b>2015</b> , 13, 1347-57	6.6	42
35	Allograft Reconstruction After Proximal Tibial Resection for Bone Tumors. <i>Clinical Orthopaedics and Related Research</i> , <b>1994</b> , &NA;, 116??127	2.2	40

34	Chondrocyte death induced by pathological concentration of chemokine stromal cell-derived factor-1. <i>Journal of Rheumatology</i> , <b>2006</b> , 33, 1818-26	4.1	37
33	Gadolinium inhibits thymidine incorporation and induces apoptosis in chondrocytes. <i>Journal of Orthopaedic Research</i> , <b>2001</b> , 19, 797-801	3.8	36
32	Treatment Planning and Fracture Prediction in Patients with Skeletal Metastasis with CT-Based Rigidity Analysis. <i>Clinical Cancer Research</i> , <b>2015</b> , 21, 2514-9	12.9	35
31	MicroRNA regulates vascular endothelial growth factor expression in chondrosarcoma cells. <i>Clinical Orthopaedics and Related Research</i> , <b>2015</b> , 473, 907-13	2.2	35
30	Case records of the Massachusetts General Hospital. Weekly clinicopathological exercises. Case 29-2001. A 14-year-old boy with abnormal bones and a sacral mass. <i>New England Journal of Medicine</i> , <b>2001</b> , 345, 903-8	59.2	32
29	Angiogenic cytokines in cartilage tumors. <i>Clinical Orthopaedics and Related Research</i> , <b>2002</b> , 62-9	2.2	32
28	Subcellular relocation of histone deacetylase 4 regulates growth plate chondrocyte differentiation through Ca <sup>2+</sup> /calmodulin-dependent kinase IV. <i>American Journal of Physiology - Cell Physiology</i> , <b>2012</b> , 303, C33-40	5.4	28
27	Pathologic neovascularization in cartilage tumors. <i>Clinical Orthopaedics and Related Research</i> , <b>2002</b> , 76-82.2		28
26	Crankshaft phenomenon in congenital scoliosis: a preliminary report. <i>Journal of Pediatric Orthopaedics</i> , <b>1991</b> , 11, 527-32	2.4	28
25	Molecular characterization of mesenchymal stem cells in human osteoarthritis cartilage reveals contribution to the OA phenotype. <i>Scientific Reports</i> , <b>2018</b> , 8, 7044	4.9	27
24	Cancer/testis antigen CSAGE is concurrently expressed with MAGE in chondrosarcoma. <i>Gene</i> , <b>2002</b> , 285, 269-78	3.8	27
23	Matrilin-3 induction of IL-1 receptor antagonist is required for up-regulating collagen II and aggrecan and down-regulating ADAMTS-5 gene expression. <i>Arthritis Research and Therapy</i> , <b>2012</b> , 14, R197	5.7	26
22	Molecular biology and therapeutics in musculoskeletal oncology. <i>Journal of Bone and Joint Surgery - Series A</i> , <b>2009</b> , 91, 724-32	5.6	21
21	Recent advances in the basic science of chondrosarcoma. <i>Orthopedic Clinics of North America</i> , <b>2006</b> , 37, 9-14	3.5	21
20	Anti-miRNA Oligonucleotide Therapy for Chondrosarcoma. <i>Molecular Cancer Therapeutics</i> , <b>2019</b> , 18, 2026-2029.21		21
19	Benign tumors of the spine. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , <b>2012</b> , 20, 715-24	4.5	20
18	PTEN mutation is rare in chondrosarcoma. <i>Diagnostic Molecular Pathology</i> , <b>2002</b> , 11, 22-6		20
17	Benign Tumors of the Spine. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , <b>2012</b> , 20, 715-724	4.5	20

16	Human Cartilage-Derived Progenitors Resist Terminal Differentiation and Require CXCR4 Activation to Successfully Bridge Meniscus Tissue Tears. <i>Stem Cells</i> , <b>2019</b> , 37, 102-114	5.8	18
15	Treatment of femoral Ewing's sarcoma. <i>Cancer</i> , <b>1996</b> , 78, 70-8	6.4	16
14	Does CT-based Rigidity Analysis Influence Clinical Decision-making in Simulations of Metastatic Bone Disease?. <i>Clinical Orthopaedics and Related Research</i> , <b>2016</b> , 474, 652-9	2.2	14
13	Malignant eccrine poroma of the hand: a case report. <i>Journal of Hand Surgery</i> , <b>1997</b> , 22, 511-4	2.6	14
12	Lysis of human chondrosarcoma cells by cytolytic T lymphocytes recognizing a MAGE-A3 antigen presented by HLA-A1 molecules. <i>Journal of Orthopaedic Research</i> , <b>2007</b> , 25, 678-84	3.8	10
11	Clinical evaluation of the knee. <i>New England Journal of Medicine</i> , <b>2010</b> , 363, e5	59.2	8
10	Locking buttons increase fatigue life of locking plates in a segmental bone defect model. <i>Clinical Orthopaedics and Related Research</i> , <b>2013</b> , 471, 1039-44	2.2	6
9	Fresh Osteochondral Allograft Transplantation for Treatment of Chondroblastoma of the Femoral Head: A Case Report. <i>JBJS Case Connector</i> , <b>2013</b> , 3, e13	0.4	4
8	Management of Extremity Soft-Tissue Sarcomas. <i>Clinical Orthopaedics and Related Research</i> , <b>1993</b> , &NA;, 667-72	2.2	4
7	Angiogenesis in chondrosarcoma. <i>Current Opinion in Orthopaedics</i> , <b>2002</b> , 13, 449-453		3
6	Osteoarticular allograft reconstruction for tumors of the distal femur and proximal tibia. <i>Operative Techniques in Orthopaedics</i> , <b>2004</b> , 14, 236-242	0.3	2
5	CORR Insights : complications of cemented long-stem hip arthroplasties in metastatic bone disease revisited. <i>Clinical Orthopaedics and Related Research</i> , <b>2013</b> , 471, 3308-9	2.2	1
4	CT-based structural rigidity analysis yields high specificity and sensitivity for femoral fracture prediction. <i>Journal of the American College of Surgeons</i> , <b>2012</b> , 215, S62	4.4	
3	Activation of Indian hedgehog promotes chondrocyte hypertrophy and upregulation of MMP-13 in human osteoarthritic cartilage. <i>Bone</i> , <b>2010</b> , 47, S361-S362	4.7	
2	How orthopedic surgeons view open label placebo pills: Ethical and effective, but opposed to personal use. <i>Journal of Psychosomatic Research</i> , <b>2021</b> , 151, 110638	4.1	
1	CORR Insights : 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?. <i>Clinical Orthopaedics and Related Research</i> , <b>2020</b> , 478, 2296-2299	2.2	