

Frederic Shapiro

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.

79
papers

5,412
citations

32
h-index

73
g-index

83
ext. papers

6,119
ext. citations

7
avg, IF

5.05
L-index

#	Paper	IF	Citations
79	Diagnosis and management of Duchenne muscular dystrophy, part 1: diagnosis, and pharmacological and psychosocial management. <i>Lancet Neurology, The</i> , 2010 , 9, 77-93	24.1	1287
78	Characterization of dystrophin in muscle-biopsy specimens from patients with Duchenne's or Becker's muscular dystrophy. <i>New England Journal of Medicine</i> , 1988 , 318, 1363-8	59.2	801
77	Diagnosis and management of Duchenne muscular dystrophy, part 2: implementation of multidisciplinary care. <i>Lancet Neurology, The</i> , 2010 , 9, 177-89	24.1	791
76	Tranexamic acid reduces intraoperative blood loss in pediatric patients undergoing scoliosis surgery. <i>Anesthesiology</i> , 2005 , 102, 727-32	4.3	225
75	Blood loss in pediatric spine surgery. <i>European Spine Journal</i> , 2004 , 13 Suppl 1, S6-17	2.7	179
74	A longitudinal study of the growth of the New Zealand white rabbit: cumulative and biweekly incremental growth rates for body length, body weight, femoral length, and tibial length. <i>Journal of Orthopaedic Research</i> , 1986 , 4, 221-31	3.8	134
73	Fractures of the femoral shaft in children. The overgrowth phenomenon. <i>Acta Orthopaedica</i> , 1981 , 52, 649-55		122
72	Tranexamic acid diminishes intraoperative blood loss and transfusion in spinal fusions for duchenne muscular dystrophy scoliosis. <i>Spine</i> , 2007 , 32, 2278-83	3.3	106
71	Structural stages in the development of the long bones and epiphyses: a study in the New Zealand white rabbit. <i>Journal of Bone and Joint Surgery - Series A</i> , 2002 , 84, 85-100	5.6	105
70	Consensus statement on standard of care for congenital myopathies. <i>Journal of Child Neurology</i> , 2012 , 27, 363-82	2.5	104
69	Association of Duchenne muscular dystrophy with autism spectrum disorder. <i>Journal of Child Neurology</i> , 2005 , 20, 790-5	2.5	88
68	Osteogenesis imperfecta. <i>Journal of the American Academy of Orthopaedic Surgeons, The</i> , 1998 , 6, 225-36	4.5	85
67	Anesthetic management of 877 pediatric patients undergoing muscle biopsy for neuromuscular disorders: a 20-year review. <i>Paediatric Anaesthesia</i> , 2016 , 26, 710-21	1.8	78
66	Spinal fusion in Duchenne muscular dystrophy: a multidisciplinary approach. <i>Muscle and Nerve</i> , 1992 , 15, 604-14	3.4	76
65	Posterior spinal fusion for scoliosis in duchenne muscular dystrophy diminishes the rate of respiratory decline. <i>Spine</i> , 2007 , 32, 459-65	3.3	63
64	Bone Development. <i>Clinical Orthopaedics and Related Research</i> , 2005 , 432, 14-33	2.2	58
63	Non-apatitic environments in bone mineral: FT-IR detection, biological properties and changes in several disease states. <i>Connective Tissue Research</i> , 1989 , 21, 267-73	3.3	58

62	Early ischemia in growing piglet skeleton: MR diffusion and perfusion imaging. <i>Radiology</i> , 2007 , 242, 129-36	20.5	57
61	Normal and ischemic epiphysis of the femur: diffusion MR imaging study in piglets. <i>Radiology</i> , 2003 , 227, 825-32	20.5	54
60	Thermal effects of focused ultrasound energy on bone tissue. <i>Ultrasound in Medicine and Biology</i> , 2001 , 27, 1427-33	3.5	53
59	Age-related vascular changes in the epiphysis, physis, and metaphysis: normal findings on gadolinium-enhanced MRI of piglets. <i>American Journal of Roentgenology</i> , 2004 , 182, 353-60	5.4	52
58	Early MR imaging of lower-extremity physeal fracture-separations: a preliminary report. <i>Journal of Pediatric Orthopaedics</i> , 1994 , 14, 526-33	2.4	50
57	Transmission electron microscopic demonstration of vimentin in rat osteoblast and osteocyte cell bodies and processes using the immunogold technique. <i>The Anatomical Record</i> , 1995 , 241, 39-48		47
56	Cartilaginous path of physeal fracture-separations: evaluation with MR imaging--an experimental study with histologic correlation in rabbits. <i>Radiology</i> , 2000 , 215, 504-11	20.5	43
55	Tibial epiphyseal development: a cross-sectional histologic and histomorphometric study in the New Zealand white rabbit. <i>Journal of Orthopaedic Research</i> , 1986 , 4, 212-20	3.8	38
54	Facioscapulohumeral dystrophy presenting in infancy with facial diplegia and sensorineural deafness. <i>Annals of Neurology</i> , 1985 , 17, 513-6	9.4	38
53	Skeletal development in fetal pig specimens: MR imaging of femur with histologic comparison. <i>Radiology</i> , 2004 , 233, 505-14	20.5	37
52	Vertebral development of the chick embryo during days 3-19 of incubation. <i>Journal of Morphology</i> , 1992 , 213, 317-33	1.6	34
51	Epiphyseal disorders. <i>New England Journal of Medicine</i> , 1987 , 317, 1702-10	59.2	34
50	Consequences of an osteogenesis imperfecta diagnosis for survival and ambulation. <i>Journal of Pediatric Orthopaedics</i> , 1985 , 5, 456-62	2.4	34
49	GROWTH CARTILAGE. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1998 , 6, 455-471	1.6	33
48	Epiphyseal and physeal cartilage vascularization: a light microscopic and tritiated thymidine autoradiographic study of cartilage canals in newborn and young postnatal rabbit bone. <i>The Anatomical Record</i> , 1998 , 252, 140-8		32
47	MUSCULOSKELETAL TRAUMA IN CHILDREN. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1998 , 6, 521-536	1.6	30
46	Variable osteoclast appearance in human infantile osteopetrosis. <i>Calcified Tissue International</i> , 1988 , 43, 67-76	3.9	28
45	Femoral head deformation and repair following induction of ischemic necrosis: a histologic and magnetic resonance imaging study in the piglet. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009 , 91, 2903-14	5.6	25

44	Abnormality of type IX collagen in a patient with diastrophic dysplasia. <i>American Journal of Medical Genetics Part A</i> , 1994 , 49, 402-9		24
43	Scapulothoracic fusion for facioscapulohumeral muscular dystrophy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005 , 87, 2267-75	5.6	22
42	Orthopedic Deformities in Emery-Dreifuss Muscular Dystrophy. <i>Journal of Pediatric Orthopaedics</i> , 1991 , 11, 336-340	2.4	21
41	Simultaneous progression patterns of scoliosis, pelvic obliquity, and hip subluxation/dislocation in non-ambulatory neuromuscular patients: an approach to deformity documentation. <i>Journal of Childrens Orthopaedics</i> , 2015 , 9, 345-56	2.1	20
40	The Liberfarb syndrome, a multisystem disorder affecting eye, ear, bone, and brain development, is caused by a founder pathogenic variant in the PISD gene. <i>Genetics in Medicine</i> , 2019 , 21, 2734-2743	8.1	19
39	Congenital muscular dystrophy associated with merosin deficiency. <i>Journal of Child Neurology</i> , 1996 , 11, 291-5	2.5	19
38	Light and electron microscopic abnormalities in diastrophic dysplasia growth cartilage. <i>Calcified Tissue International</i> , 1992 , 51, 324-31	3.9	18
37	Legg-Calvé-Perthes disease: a study of lower extremity length discrepancies and skeletal maturation. <i>Acta Orthopaedica</i> , 1982 , 53, 437-44		18
36	Gadolinium-enhanced MR images of the growing piglet skeleton: ionic versus nonionic contrast agent. <i>Radiology</i> , 2006 , 239, 406-14	20.5	16
35	Locomotor problems in infantile facioscapulohumeral muscular dystrophy. Retrospective study of 9 patients. <i>Acta Orthopaedica</i> , 1991 , 62, 367-71		16
34	Congenital scoliosis. A histopathologic study. <i>Spine</i> , 1981 , 6, 107-17	3.3	16
33	Prediction of dystrophin phenotype by DNA analysis in Duchenne/Becker muscular dystrophy. <i>Pediatric Neurology</i> , 1992 , 8, 432-6	2.9	9
32	Quality improvement in neurology: muscular dystrophy quality measures. <i>Neurology</i> , 2015 , 85, 905-9	6.5	8
31	Molecular differentiation in epiphyseal and physeal cartilage. Prominent role for gremlin in maintaining hypertrophic chondrocytes in epiphyseal cartilage. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 390, 570-6	3.4	8
30	Congenital hemihypertrophy and abnormalities of the cerebral vasculature. Report of two cases. <i>Journal of Neurosurgery</i> , 1984 , 61, 163-8	3.2	8
29	Posterior spinal fusion to sacrum in non-ambulatory hypotonic neuromuscular patients: sacral rod/bone graft onlay method. <i>Journal of Childrens Orthopaedics</i> , 2014 , 8, 229-36	2.1	6
28	Accuracy of preoperative electrocardiographic and chest radiographic screening for prediction of left ventricular dysfunction in patients with suspected neuromuscular disorders. <i>Anesthesia and Analgesia</i> , 2010 , 110, 1116-20	3.9	6
27	Direct Reprogramming of Mouse Fibroblasts into Functional Osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 698-713	6.3	6

26	Visualization and analysis of the deforming piglet femur and hip following experimentally induced avascular necrosis of the femoral head. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 1742-50	5	5
25	Rough endoplasmic reticulum abnormalities in a patient with spondyloepimetaphyseal dysplasia with scoliosis, joint laxity, and finger deformities. <i>Ultrastructural Pathology</i> , 2006 , 30, 393-400	1.3	5
24	Developmental Bone Biology 2001 , 3-128		5
23	Histopathology of osteogenesis imperfecta bone. Supramolecular assessment of cells and matrices in the context of woven and lamellar bone formation using light, polarization and ultrastructural microscopy. <i>Bone Reports</i> , 2021 , 14, 100734	2.6	5
22	Ultrastructural observations on osteosarcoma tissue: a study of 10 cases. <i>Ultrastructural Pathology</i> , 1983 , 4, 151-61	1.3	4
21	Tapetoretinal degeneration associated with multisystem abnormalities. A case report. <i>Ophthalmic Paediatrics and Genetics</i> , 1986 , 7, 151-8		3
20	Skeletal Dysplasias 2016 , 255-409		2
19	The cn/cn dwarf mouse. Histomorphometric, ultrastructural, and radiographic study in mutants corresponding to human acromesomelic dysplasia Maroteaux type (AMDM). <i>BMC Musculoskeletal Disorders</i> , 2014 , 15, 347	2.8	2
18	Skeletal Dysplasias 2001 , 733-871		2
17	Lower Extremity Length Discrepancies 2001 , 606-732		2
16	Legg-Calve-Perthes Disease 2001 , 272-375		2
15	Legg-Calve-Perthes Disease 2019 , 183-322		1
14	Structural differences in epiphyseal and physeal hypertrophic chondrocytes. <i>BoneKey Reports</i> , 2015 , 4, 663		1
13	Disordered vertebral and rib morphology in pudgy mice. Structural relationships to human scoliosis. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016 , 221, 1-123	1.2	1
12	Lower Extremity Length Discrepancies 2016 , 613-772		1
11	Identification of a novel truncating mutation (S171X) in the Emerin gene in five members of a Caucasian American family with Emery-Dreifuss muscular dystrophy. <i>Human Mutation</i> , 2000 , 16, 94	4.7	1
10	Epiphyseal Growth Plate Fracture-Separations 2016 , 505-612		1
9	SCAPULOTHORACIC FUSION FOR FACIOSCAPULOHUMERAL MUSCULAR DYSTROPHY. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005 , 87, 2267-2275	5.6	0

- 8 Conclusions. *Advances in Anatomy, Embryology and Cell Biology*, **2016**, 221, 111-113 1.2
- 7 Materials and Methods. *Advances in Anatomy, Embryology and Cell Biology*, **2016**, 221, 3-6 1.2
- 6 Results. *Advances in Anatomy, Embryology and Cell Biology*, **2016**, 221, 7-66 1.2
- 5 Discussion. *Advances in Anatomy, Embryology and Cell Biology*, **2016**, 221, 67-109 1.2
- 4 Developmental Bone Biology **2016**, 1-158
- 3 Epiphyseal Growth Plate Fracture Reparations **2001**, 519-605
- 2 Imaging Approaches for Epiphyseal Assessment **2001**, 129-150
- 1 Overview of Deformities **2016**, 159-254