

Frederic Shapiro

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

6,620
citations

117625

34
h-index

118850

62
g-index

83
all docs

83
docs citations

83
times ranked

5060
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosis and management of Duchenne muscular dystrophy, part 1: diagnosis, and pharmacological and psychosocial management. <i>Lancet Neurology</i> , The, 2010, 9, 77-93.	10.2	1,605
2	Diagnosis and management of Duchenne muscular dystrophy, part 2: implementation of multidisciplinary care. <i>Lancet Neurology</i> , The, 2010, 9, 177-189.	10.2	975
3	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, 1363-1368.	27.0	911
4	Tranexamic Acid Reduces Intraoperative Blood Loss in Pediatric Patients Undergoing Scoliosis Surgery. <i>Anesthesiology</i> , 2005, 102, 727-732.	2.5	273
5	Blood loss in pediatric spine surgery. <i>European Spine Journal</i> , 2004, 13, S6-S17.	2.2	227
6	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, 221-231.	2.3	158
7	Consensus Statement on Standard of Care for Congenital Myopathies. <i>Journal of Child Neurology</i> , 2012, 27, 363-382.	1.4	147
8	Fractures of the Femoral Shaft in Children: The Overgrowth Phenomenon. <i>Acta Orthopaedica</i> , 1981, 52, 649-655.	1.4	146
9	Tranexamic Acid Diminishes Intraoperative Blood Loss and Transfusion in Spinal Fusions for Duchenne Muscular Dystrophy Scoliosis. <i>Spine</i> , 2007, 32, 2278-2283.	2.0	125
10	Structural Stages in the Development of the Long Bones and Epiphyses. <i>Journal of Bone and Joint Surgery - Series A</i> , 2002, 84, 85-100.	3.0	120
11	Association of Duchenne Muscular Dystrophy With Autism Spectrum Disorder. <i>Journal of Child Neurology</i> , 2005, 20, 790-795.	1.4	111
12	Anesthetic management of 877 pediatric patients undergoing muscle biopsy for neuromuscular disorders: a 20-year review. <i>Paediatric Anaesthesia</i> , 2016, 26, 710-721.	1.1	97
13	Spinal fusion in duchenne muscular dystrophy: A multidisciplinary approach. <i>Muscle and Nerve</i> , 1992, 15, 604-614.	2.2	91
14	Osteogenesis Imperfecta. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 1998, 6, 225-236.	2.5	89
15	Bone Development. <i>Clinical Orthopaedics and Related Research</i> , 2005, 432, 14-33.	1.5	76
16	Posterior Spinal Fusion for Scoliosis in Duchenne Muscular Dystrophy Diminishes the Rate of Respiratory Decline. <i>Spine</i> , 2007, 32, 459-465.	2.0	76
17	Early MR Imaging of Lower-Extremity Physeal Fracture-Separations: A Preliminary Report. <i>Journal of Pediatric Orthopaedics</i> , 1994, 14, 526-533.	1.2	67
18	Thermal effects of focused ultrasound energy on bone tissue. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 1427-1433.	1.5	65

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19	Normal and Ischemic Epiphysis of the Femur: Diffusion MR Imaging Study in Piglets. Radiology, 2003, 227, 825-832.	7.3	65
20	Non-Apatitic Environments in Bone Mineral: FT-IR Detection, Biological Properties and Changes in Several Disease States. Connective Tissue Research, 1989, 21, 267-273.	2.3	64
21	Early Ischemia in Growing Piglet Skeleton: MR Diffusion and Perfusion Imaging. Radiology, 2007, 242, 129-136.	7.3	62
22	Age-Related Vascular Changes in the Epiphysis, Physis, and Metaphysis: Normal Findings on Gadolinium-Enhanced MRI of Piglets. American Journal of Roentgenology, 2004, 182, 353-360.	2.2	56
23	Consequences of an Osteogenesis Imperfecta Diagnosis for Survival and Ambulation. Journal of Pediatric Orthopaedics, 1985, 5, 456-462.	1.2	54
24	Cartilaginous Path of Physeal Fracture-Separations: Evaluation with MR Imaging An Experimental Study with Histologic Correlation in Rabbits. Radiology, 2000, 215, 504-511.	7.3	52
25	Transmission electron microscopic demonstration of vimentin in rat osteoblast and osteocyte cell bodies and processes using the immunogold technique. The Anatomical Record, 1995, 241, 39-48.	1.8	51
26	Tibial epiphyseal development: A cross-sectional histologic and histomorphometric study in the New Zealand white rabbit. Journal of Orthopaedic Research, 1986, 4, 212-220.	2.3	44
27	Skeletal Development in Fetal Pig Specimens: MR Imaging of Femur with Histologic Comparison. Radiology, 2004, 233, 505-514.	7.3	44
28	Facioscapulohumeral dystrophy presenting in infancy with facial diplegia and sensorineural deafness. Annals of Neurology, 1985, 17, 513-516.	5.3	43
29	Vertebral development of the chick embryo during days 3-19 of incubation. Journal of Morphology, 1992, 213, 317-333.	1.2	42
30	MUSCULOSKELETAL TRAUMA IN CHILDREN. Magnetic Resonance Imaging Clinics of North America, 1998, 6, 521-536.	1.1	42
31	EPIPHYSEAL GROWTH PLATE FRACTURE-SEPARATIONS: A PATHOPHYSIOLOGIC APPROACH. Orthopedics, 1982, 5, 720-736.	1.1	42
32	Epiphyseal and physeal cartilage vascularization: A light microscopic and tritiated thymidine autoradiographic study of cartilage canals in newborn and young postnatal rabbit bone. , 1998, 252, 140-148.		41
33	Variable osteoclast appearance in human infantile osteopetrosis. Calcified Tissue International, 1988, 43, 67-76.	3.1	39
34	Epiphyseal Disorders. New England Journal of Medicine, 1987, 317, 1702-1710.	27.0	37
35	GROWTH CARTILAGE. Magnetic Resonance Imaging Clinics of North America, 1998, 6, 455-471.	1.1	36
36	Simultaneous progression patterns of scoliosis, pelvic obliquity, and hip subluxation/dislocation in non-ambulatory neuromuscular patients: An approach to deformity documentation. Journal of Children's Orthopaedics, 2015, 9, 345-356.	1.1	35

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37	Scapulothoracic Fusion for Facioscapulohumeral Muscular Dystrophy. Journal of Bone and Joint Surgery - Series A, 2005, 87, 2267.	3.0	33
38	Femoral Head Deformation and Repair Following Induction of Ischemic Necrosis. Journal of Bone and Joint Surgery - Series A, 2009, 91, 2903-2914.	3.0	33
39	The Liberfarb syndrome, a multisystem disorder affecting eye, ear, bone, and brain development, is caused by a founder pathogenic variant in the PISD gene. Genetics in Medicine, 2019, 21, 2734-2743.	2.4	33
40	Orthopedic Deformities in Emeryâ€Dreifuss Muscular Dystrophy. Journal of Pediatric Orthopaedics, 1991, 11, 336-340.	1.2	28
41	Abnormality of type IX collagen in a patient with diastrophic dysplasia. American Journal of Medical Genetics Part A, 1994, 49, 402-409.	2.4	24
42	Congenital Muscular Dystrophy Associated With Merosin Deficiency. Journal of Child Neurology, 1996, 11, 291-295.	1.4	24
43	Locomotor problems in infantile facioscapulohumeral muscular dystrophy: Retrospective study of 9 patients. Acta Orthopaedica, 1991, 62, 367-371.	1.4	22
44	Light and electron microscopic abnormalities in diastrophic dysplasia growth cartilage. Calcified Tissue International, 1992, 51, 324-331.	3.1	22
45	Legg-CalvÃ©-Perthes Disease:A Study of Lower Extremity Length Discrepancies and Skeletal Maturation. Acta Orthopaedica, 1982, 53, 437-444.	1.4	21
46	Congenital Scoliosis. Spine, 1981, 6, 107-117.	2.0	20
47	Gadolinium-enhanced MR Images of the Growing Piglet Skeleton: Ionic versus Nonionic Contrast Agent. Radiology, 2006, 239, 406-414.	7.3	16
48	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. Bone Reports, 2021, 14, 100734.	0.4	13
49	Congenital hemihypertrophy and abnormalities of the cerebral vasculature. Journal of Neurosurgery, 1984, 61, 163-168.	1.6	11
50	Direct Reprogramming of Mouse Fibroblasts into Functional Osteoblasts. Journal of Bone and Mineral Research, 2020, 35, 698-713.	2.8	11
51	Prediction of dystrophin phenotype by DNA analysis in Duchenne/Becker muscular dystrophy. Pediatric Neurology, 1992, 8, 432-436.	2.1	10
52	Molecular differentiation in epiphyseal and physeal cartilage. Prominent role for gremlin in maintaining hypertrophic chondrocytes in epiphyseal cartilage. Biochemical and Biophysical Research Communications, 2009, 390, 570-576.	2.1	10
53	Quality improvement in neurology. Neurology, 2015, 85, 905-909.	1.1	9
54	Posterior spinal fusion to sacrum in non-ambulatory hypotonic neuromuscular patients: sacral rod/bone graft onlay method. Journal of Children's Orthopaedics, 2014, 8, 229-236.	1.1	8

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55	Ultrastructural Observations on Osteosarcoma Tissue: A Study of 10 Cases. <i>Ultrastructural Pathology</i> , 1983, 4, 151-161.	0.9	7
56	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, 94-94.	2.5	7
57	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, 1116-1120.	2.2	7
58	Tapetoretinal degeneration associated with multisystem abnormalities: A case report. <i>Ophthalmic Paediatrics and Genetics</i> , 1986, 7, 151-158.	0.4	5
59	<i>Developmental Bone Biology</i> . , 2001, , 3-128.		5
60	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.	0.9	5
61	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, 1742-1750.	4.2	5
62	Legg-Calvé-Perthes Disease. , 2001, , 272-375.		3
63	<i>Skeletal Dysplasias</i> . , 2001, , 733-871.		2
64	<i>Lower Extremity Length Discrepancies</i> . , 2001, , 606-732.		2
65	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.	1.9	2
66	Structural differences in epiphyseal and physeal hypertrophic chondrocytes. <i>BoneKey Reports</i> , 2015, 4, 663.	2.7	2
67	Introduction. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, 221, 1-2.	1.6	2
68	<i>Skeletal Dysplasias</i> . , 2016, , 255-409.		2
69	Legg-Calvé-Perthes Disease. , 2019, , 183-322.		2
70	Overview of Deformities. , 2016, , 159-254.		2
71	<i>Lower Extremity Length Discrepancies</i> . , 2016, , 613-772.		1
72	<i>Epiphyseal Growth Plate Fracture-Separations</i> . , 2016, , 505-612.		1

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73	SCAPULOTHORACIC FUSION FOR FACIOSCAPULOHUMERAL MUSCULAR DYSTROPHY. Journal of Bone and Joint Surgery - Series A, 2005, 87, 2267-2275.	3.0	1
74	Epiphyseal Growth Plate Fractureâ€“Separations. , 2001, , 519-605.		0
75	Disordered Vertebral and Rib Morphology in Pudgy Mice. Advances in Anatomy, Embryology and Cell Biology, 2016, , .	1.6	0
76	Conclusions. Advances in Anatomy, Embryology and Cell Biology, 2016, 221, 111-113.	1.6	0
77	Materials and Methods. Advances in Anatomy, Embryology and Cell Biology, 2016, 221, 3-6.	1.6	0
78	Results. Advances in Anatomy, Embryology and Cell Biology, 2016, 221, 7-66.	1.6	0
79	Discussion. Advances in Anatomy, Embryology and Cell Biology, 2016, 221, 67-109.	1.6	0
80	Developmental Bone Biology. , 2016, , 1-158.		0
81	Imaging Approaches for Epiphyseal Assessment**This chapter was written by Dr. Diego Jaramillo.. , 2001, , 129-150.		0