

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	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.	0.4	13
2	Direct Reprogramming of Mouse Fibroblasts into Functional Osteoblasts. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 698-713.	2.8	11
3	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.	2.4	33
4	Legg-Calv�-Perthes Disease. , 2019, , 183-322.		2
5	Disordered Vertebral and Rib Morphology in Pudgy Mice. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, , .	1.6	0
6	Conclusions. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, 221, 111-113.	1.6	0
7	Introduction. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, 221, 1-2.	1.6	2
8	Materials and Methods. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, 221, 3-6.	1.6	0
9	Results. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, 221, 7-66.	1.6	0
10	Discussion. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2016, 221, 67-109.	1.6	0
11	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
12	Lower Extremity Length Discrepancies. , 2016, , 613-772.		1
13	Skeletal Dysplasias. , 2016, , 255-409.		2
14	Developmental Bone Biology. , 2016, , 1-158.		0
15	Epiphyseal Growth Plate Fracture-Separations. , 2016, , 505-612.		1
16	Overview of Deformities. , 2016, , 159-254.		2
17	Structural differences in epiphyseal and physeal hypertrophic chondrocytes. <i>BoneKEy Reports</i> , 2015, 4, 663.	2.7	2
18	Quality improvement in neurology. <i>Neurology</i> , 2015, 85, 905-909.	1.1	9

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19	Simultaneous progression patterns of scoliosis, pelvic obliquity, and hip subluxation/dislocation in non-ambulatory neuromuscular patients: An approach to deformity documentation. <i>Journal of Children's Orthopaedics</i> , 2015, 9, 345-356.	1.1	35
20	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
21	Posterior spinal fusion to sacrum in non-ambulatory hypotonic neuromuscular patients: sacral rod/bone graft onlay method. <i>Journal of Children's Orthopaedics</i> , 2014, 8, 229-236.	1.1	8
22	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
23	Consensus Statement on Standard of Care for Congenital Myopathies. <i>Journal of Child Neurology</i> , 2012, 27, 363-382.	1.4	147
24	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
25	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
26	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
27	Femoral Head Deformation and Repair Following Induction of Ischemic Necrosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 2903-2914.	3.0	33
28	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, 570-576.	2.1	10
29	Early Ischemia in Growing Piglet Skeleton: MR Diffusion and Perfusion Imaging. <i>Radiology</i> , 2007, 242, 129-136.	7.3	62
30	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
31	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
32	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
33	Gadolinium-enhanced MR Images of the Growing Piglet Skeleton: Ionic versus Nonionic Contrast Agent. <i>Radiology</i> , 2006, 239, 406-414.	7.3	16
34	Bone Development. <i>Clinical Orthopaedics and Related Research</i> , 2005, 432, 14-33.	1.5	76
35	Tranexamic Acid Reduces Intraoperative Blood Loss in Pediatric Patients Undergoing Scoliosis Surgery. <i>Anesthesiology</i> , 2005, 102, 727-732.	2.5	273
36	Scapulothoracic Fusion for Facioscapulohumeral Muscular Dystrophy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2005, 87, 2267.	3.0	33

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37	Association of Duchenne Muscular Dystrophy With Autism Spectrum Disorder. Journal of Child Neurology, 2005, 20, 790-795.	1.4	111
38	SCAPULOTHORACIC FUSION FOR FACIOSCAPULOHUMERAL MUSCULAR DYSTROPHY. Journal of Bone and Joint Surgery - Series A, 2005, 87, 2267-2275.	3.0	1
39	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
40	Skeletal Development in Fetal Pig Specimens: MR Imaging of Femur with Histologic Comparison. Radiology, 2004, 233, 505-514.	7.3	44
41	Blood loss in pediatric spine surgery. European Spine Journal, 2004, 13, S6-S17.	2.2	227
42	Normal and Ischemic Epiphysis of the Femur: Diffusion MR Imaging Study in Piglets. Radiology, 2003, 227, 825-832.	7.3	65
43	Structural Stages in the Development of the Long Bones and Epiphyses. Journal of Bone and Joint Surgery - Series A, 2002, 84, 85-100.	3.0	120
44	Developmental Bone Biology. , 2001, , 3-128.		5
45	Legg-Calvé-Perthes Disease. , 2001, , 272-375.		3
46	Thermal effects of focused ultrasound energy on bone tissue. Ultrasound in Medicine and Biology, 2001, 27, 1427-1433.	1.5	65
47	Epiphyseal Growth Plate Fracture Separations. , 2001, , 519-605.		0
48	Skeletal Dysplasias. , 2001, , 733-871.		2
49	Lower Extremity Length Discrepancies. , 2001, , 606-732.		2
50	Imaging Approaches for Epiphyseal Assessment**This chapter was written by Dr. Diego Jaramillo.. , 2001, , 129-150.		0
51	Identification of a novel truncating mutation (S171X) in the Emerin gene in five members of a caucasian American family with Emery-Dreifuss muscular dystrophy. Human Mutation, 2000, 16, 94-94.	2.5	7
52	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
53	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
54	GROWTH CARTILAGE. Magnetic Resonance Imaging Clinics of North America, 1998, 6, 455-471.	1.1	36

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55	MUSCULOSKELETAL TRAUMA IN CHILDREN. Magnetic Resonance Imaging Clinics of North America, 1998, 6, 521-536.	1.1	42
56	Osteogenesis Imperfecta. Journal of the American Academy of Orthopaedic Surgeons, The, 1998, 6, 225-236.	2.5	89
57	Congenital Muscular Dystrophy Associated With Merosin Deficiency. Journal of Child Neurology, 1996, 11, 291-295.	1.4	24
58	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
59	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
60	Early MR Imaging of Lower-Extremity Physeal Fracture-Separations: A Preliminary Report. Journal of Pediatric Orthopaedics, 1994, 14, 526-533.	1.2	67
61	Vertebral development of the chick embryo during days 3-19 of incubation. Journal of Morphology, 1992, 213, 317-333.	1.2	42
62	Prediction of dystrophin phenotype by DNA analysis in Duchenne/Becker muscular dystrophy. Pediatric Neurology, 1992, 8, 432-436.	2.1	10
63	Light and electron microscopic abnormalities in diastrophic dysplasia growth cartilage. Calcified Tissue International, 1992, 51, 324-331.	3.1	22
64	Spinal fusion in duchenne muscular dystrophy: A multidisciplinary approach. Muscle and Nerve, 1992, 15, 604-614.	2.2	91
65	Locomotor problems in infantile facioscapulohumeral muscular dystrophy: Retrospective study of 9 patients. Acta Orthopaedica, 1991, 62, 367-371.	1.4	22
66	Orthopedic Deformities in Emeryâ€Dreifuss Muscular Dystrophy. Journal of Pediatric Orthopaedics, 1991, 11, 336-340.	1.2	28
67	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
68	Variable osteoclast appearance in human infantile osteopetrosis. Calcified Tissue International, 1988, 43, 67-76.	3.1	39
69	Characterization of Dystrophin in Muscle-Biopsy Specimens from Patients with Duchenne's or Becker's Muscular Dystrophy. New England Journal of Medicine, 1988, 318, 1363-1368.	27.0	911
70	Epiphyseal Disorders. New England Journal of Medicine, 1987, 317, 1702-1710.	27.0	37
71	Tapetoretinal degeneration associated with multisystem abnormalities: A case report. Ophthalmic Paediatrics and Genetics, 1986, 7, 151-158.	0.4	5
72	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

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73	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. Journal of Orthopaedic Research, 1986, 4, 221-231.	2.3	158
74	Consequences of an Osteogenesis Imperfecta Diagnosis for Survival and Ambulation. Journal of Pediatric Orthopaedics, 1985, 5, 456-462.	1.2	54
75	Facioscapulohumeral dystrophy presenting in infancy with facial diplegia and sensorineural deafness. Annals of Neurology, 1985, 17, 513-516.	5.3	43
76	Congenital hemihypertrophy and abnormalities of the cerebral vasculature. Journal of Neurosurgery, 1984, 61, 163-168.	1.6	11
77	Ultrastructural Observations on Osteosarcoma Tissue: A Study of 10 Cases. Ultrastructural Pathology, 1983, 4, 151-161.	0.9	7
78	Legg-Calvé-Perthes Disease: A Study of Lower Extremity Length Discrepancies and Skeletal Maturation. Acta Orthopaedica, 1982, 53, 437-444.	1.4	21
79	EPIPHYSEAL GROWTH PLATE FRACTURE-SEPARATIONS: A PATHOPHYSIOLOGIC APPROACH. Orthopedics, 1982, 5, 720-736.	1.1	42
80	Congenital Scoliosis. Spine, 1981, 6, 107-117.	2.0	20
81	Fractures of the Femoral Shaft in Children: The Overgrowth Phenomenon. Acta Orthopaedica, 1981, 52, 649-655.	1.4	146