

Frank Rauch

List of Publications by Year in Descending Order

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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.

366
papers

17,557
citations

72
h-index

118
g-index

387
ext. papers

19,820
ext. citations

4.7
avg, IF

6.69
L-index

#	Paper	IF	Citations
366	Maternal excess adiposity and serum 25-hydroxyvitamin D . <i>BMC Pregnancy and Childbirth</i> , 2022 , 22, 83	3.2	0
365	Characterization and functional analysis of the adipose tissue-derived stromal vascular fraction of pediatric patients with osteogenesis imperfecta.. <i>Scientific Reports</i> , 2022 , 12, 2414	4.9	1
364	Bone Turnover Markers in Children: From Laboratory Challenges to Clinical Interpretation.. <i>Calcified Tissue International</i> , 2022 , 1	3.9	0
363	3D image registration marginally improves the precision of HR-pQCT measurements compared to cross-sectional-area registration in adults with osteogenesis imperfecta.. <i>Journal of Bone and Mineral Research</i> , 2022 ,	6.3	1
362	Dominant osteogenesis imperfecta with low bone turnover caused by a heterozygous SP7 variant.. <i>Bone</i> , 2022 , 116400	4.7	1
361	Correction of neonatal vitamin D status using 1000 IU/d of vitamin D increased lean body mass by 12 months of age compared to 400 IU/d: a randomized controlled trial.. <i>American Journal of Clinical Nutrition</i> , 2022 ,	7	2
360	Maternal Vitamin D Status and Gestational Weight Gain as Correlates of Neonatal Bone Mass in Healthy Term Breastfed Young Infants from Montreal, Canada.. <i>Nutrients</i> , 2021 , 13,	6.7	2
359	A Validated Risk Prediction Model for Bone Fragility in Children With Acute Lymphoblastic Leukemia. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 2290	6.3	1
358	Histomorphometric and microarchitectural analysis of bone in metastatic breast cancer patients. <i>Bone Reports</i> , 2021 , 15, 101145	2.6	
357	A standard set of outcome measures for the comprehensive assessment of osteogenesis imperfecta. <i>Orphanet Journal of Rare Diseases</i> , 2021 , 16, 140	4.2	3
356	Increased Osteocyte Lacunae Density in the Hypermineralized Bone Matrix of Children with Osteogenesis Imperfecta Type I. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
355	The Accuracy of Incident Vertebral Fracture Detection in Children Using Targeted Case-Finding Approaches. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 1255-1268	6.3	0
354	Compressive Strength of Iliac Bone ECM Is Not Reduced in Osteogenesis Imperfecta and Increases With Mineralization. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 1364-1375	6.3	4
353	Effects of treatment with a bone-targeted prostaglandin E2 receptor 4 agonist C3 (Mes-1007) in a mouse model of severe osteogenesis imperfecta. <i>Bone</i> , 2021 , 145, 115867	4.7	0
352	Reply to: Burosumab for Tumor-Induced Osteomalacia: not Enough of a Good Thing. <i>Journal of Bone and Mineral Research</i> , 2021 ,	6.3	1
351	Calvaria Bone Transcriptome in Mouse Models of Osteogenesis Imperfecta. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
350	Multisite longitudinal calibration of HR-pQCT scanners and precision in osteogenesis imperfecta. <i>Bone</i> , 2021 , 147, 115880	4.7	1

349	Osteogenesis imperfecta tooth level phenotype analysis: Cross-sectional study. <i>Bone</i> , 2021 , 147, 115917-115924.	4.7	1
348	Male but not female mice with severe osteogenesis imperfecta are partially protected from high-fat diet-induced obesity. <i>Molecular Genetics and Metabolism</i> , 2021 , 133, 211-221	3.7	2
347	Insufficient Vitamin D Status at Birth Is Corrected by Vitamin D Supplementation (1000 IU/Day) With Increases in Lean Mass Evident at 12 Months of Age in Healthy Term Infants. <i>Current Developments in Nutrition</i> , 2021 , 5, 804-804	0.4	78
346	Osteoporotic Fractures and Vertebral Body Reshaping in Children With Glucocorticoid-treated Rheumatic Disorders. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021 , 106, e5195-e5207	5.6	1
345	Predicting ambulatory function at skeletal maturity in children with moderate to severe osteogenesis imperfecta. <i>European Journal of Pediatrics</i> , 2021 , 180, 233-239	4.1	2
344	Burosumab for the Treatment of Tumor-Induced Osteomalacia. <i>Journal of Bone and Mineral Research</i> , 2021 , 36, 627-635	6.3	29
343	Prevalence of SARS-CoV-2 infections in a pediatric orthopedic hospital. <i>Paediatric Anaesthesia</i> , 2021 , 31, 247-248	1.8	1
342	Health-related quality of life in adults with osteogenesis imperfecta. <i>Clinical Genetics</i> , 2021 , 99, 772-779	4	0
341	Muscle transcriptome in mouse models of osteogenesis imperfecta. <i>Bone</i> , 2021 , 148, 115940	4.7	2
340	Experiences of Children With Osteogenesis Imperfecta in the Co-design of the Interactive Assessment and Communication Tool Sisom OI: Secondary Analysis of Qualitative Design Sessions. <i>JMIR Pediatrics and Parenting</i> , 2021 , 4, e22784	4.2	0
339	Craniocervical abnormalities in osteogenesis imperfecta type V. <i>Osteoporosis International</i> , 2021 , 33, 177	5.3	0
338	Missing and unerupted teeth in osteogenesis imperfecta. <i>Bone</i> , 2021 , 150, 116011	4.7	0
337	Muscle-bone properties after prolonged voluntary wheel running in a mouse model of dominant severe osteogenesis imperfecta. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2021 , 21, 517-527	1.3	
336	Bone Disease in Patients with Ehlers-Danlos Syndromes. <i>Current Osteoporosis Reports</i> , 2020 , 18, 95-102	5.4	11
335	Malocclusion traits and oral health-related quality of life in children with osteogenesis imperfecta: A cross-sectional study. <i>Journal of the American Dental Association</i> , 2020 , 151, 480-490.e2	1.9	1
334	Treatment response to long term antiresorptive therapy in osteogenesis imperfecta type VI: does genotype matter?. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2020 , 33, 1617-1624	1.6	1
333	Giving Children With Osteogenesis Imperfecta a Voice: Participatory Approach for the Development of the Interactive Assessment and Communication Tool Sisom OI. <i>Journal of Medical Internet Research</i> , 2020 , 22, e17947	7.6	1
332	Bone densities and bone geometry in children and adolescents with arthrogyriposis. <i>Bone</i> , 2020 , 137, 115454	4.7	1

331	Increased Burden of Common Risk Alleles in Children With a Significant Fracture History. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 875-882	6.3	4
330	The Accuracy of Prevalent Vertebral Fracture Detection in Children Using Targeted Case-Finding Approaches. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 460-468	6.3	7
329	Bladder and bowel symptoms experienced by children with osteogenesis imperfecta. <i>Jornal De Pediatria (Versão Em Português)</i> , 2020 , 96, 472-478	0.2	
328	Assessment of longitudinal bone growth in osteogenesis imperfecta using metacarpophalangeal pattern profiles. <i>Bone</i> , 2020 , 140, 115547	4.7	2
327	Musculoskeletal phenotype in two unrelated individuals with a recurrent nonsense variant in SGMS2. <i>Bone</i> , 2020 , 134, 115261	4.7	9
326	Exploring the Perceived Self-management Needs of Young Adults With Osteogenesis Imperfecta. <i>Clinical Nurse Specialist</i> , 2020 , 34, 99-106	0.6	1
325	Bladder and bowel symptoms experienced by children with osteogenesis imperfecta. <i>Jornal De Pediatria</i> , 2020 , 96, 472-478	2.6	0
324	A de novo frameshift FGFR1 mutation extending the protein in an individual with multiple epiphyseal dysplasia and hypogonadotropic hypogonadism without anosmia. <i>European Journal of Medical Genetics</i> , 2020 , 63, 103784	2.6	2
323	Mineralized tissues in hypophosphatemic rickets. <i>Pediatric Nephrology</i> , 2020 , 35, 1843-1854	3.2	12
322	Validation of the Adolescent Pediatric Pain Tool for the Multidimensional Measurement of Pain in Children and Adolescents Diagnosed with Osteogenesis Imperfecta.. <i>Canadian Journal of Pain</i> , 2019 , 3, 148-156	1.5	0
321	Osteogenesis Imperfecta: New Perspectives From Clinical and Translational Research. <i>JBMR Plus</i> , 2019 , 3, e10174	3.9	45
320	Identification of genetic variants associated with skeletal muscle function deficit in childhood acute lymphoblastic leukemia survivors. <i>Pharmacogenomics and Personalized Medicine</i> , 2019 , 12, 33-45	2.1	2
319	A Multicenter Observational Cohort Study to Evaluate the Effects of Bisphosphonate Exposure on Bone Mineral Density and Other Health Outcomes in Osteogenesis Imperfecta. <i>JBMR Plus</i> , 2019 , 3, e10178	3.9	7
318	Development of the Good2Go MyHealth Passport for individuals with Osteogenesis Imperfecta: A knowledge-synthesis study. <i>International Journal of Orthopaedic and Trauma Nursing</i> , 2019 , 33, 27-34	1.1	4
317	Management of bone disease in cystinosis: Statement from an international conference. <i>Journal of Inherited Metabolic Disease</i> , 2019 , 42, 1019-1029	5.4	28
316	Identification of a single-nucleotide polymorphism within gene associated with bone morbidity in childhood acute lymphoblastic leukemia survivors. <i>Pharmacogenomics</i> , 2019 , 20, 409-420	2.6	3
315	The Bone Phenotype and Pain Response to Pamidronate in Tyrosine Kinase Inhibitor-Treated Chronic Myelogenous Leukemia. <i>Journal of the Endocrine Society</i> , 2019 , 3, 857-864	0.4	5
314	Mendelian bone fragility disorders. <i>Bone</i> , 2019 , 126, 11-17	4.7	14

313	Mobility in osteogenesis imperfecta: a multicenter North American study. <i>Genetics in Medicine</i> , 2019 , 21, 2311-2318	8.1	6
312	ALPL mutations in adults with rheumatologic disorders and low serum alkaline phosphatase activity. <i>Journal of Bone and Mineral Metabolism</i> , 2019 , 37, 893-899	2.9	6
311	Growth characteristics in individuals with osteogenesis imperfecta in North America: results from a multicenter study. <i>Genetics in Medicine</i> , 2019 , 21, 275-283	8.1	15
310	Novel ActRIIB ligand trap increases muscle mass and improves bone geometry in a mouse model of severe osteogenesis imperfecta. <i>Bone</i> , 2019 , 128, 115036	4.7	14
309	Burosumab Improved Histomorphometric Measures of Osteomalacia in Adults with X-Linked Hypophosphatemia: A Phase 3, Single-Arm, International Trial. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 2183-2191	6.3	41
308	Osteogenesis Imperfecta: Skeletal Outcomes After Bisphosphonate Discontinuation at Final Height. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 2198-2204	6.3	3
307	Caries prevalence and experience in individuals with osteogenesis imperfecta: A cross-sectional multicenter study. <i>Special Care in Dentistry</i> , 2019 , 39, 214-219	1.7	6
306	Five-year efficacy and safety of asfotase alfa therapy for adults and adolescents with hypophosphatasia. <i>Bone</i> , 2019 , 121, 149-162	4.7	55
305	Cone-Beam Computed Tomography of Osteogenesis Imperfecta Types III and IV: Three-Dimensional Evaluation of Craniofacial Features and Upper Airways. <i>JBMR Plus</i> , 2019 , 3, e10124	3.9	3
304	Impact of Vertebral Fractures and Glucocorticoid Exposure on Height Deficits in Children During Treatment of Leukemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 213-222	5.6	6
303	Oro-dental and cranio-facial characteristics of osteogenesis imperfecta type V. <i>European Journal of Medical Genetics</i> , 2019 , 62, 103606	2.6	3
302	Effect of Anti-TGF- β Treatment in a Mouse Model of Severe Osteogenesis Imperfecta. <i>Journal of Bone and Mineral Research</i> , 2019 , 34, 207-214	6.3	25
301	Dental and craniofacial characteristics caused by the p.Ser40Leu mutation in IFITM5. <i>American Journal of Medical Genetics, Part A</i> , 2019 , 179, 65-70	2.5	5
300	Vitamin D nutritional status and bone turnover markers in childhood acute lymphoblastic leukemia survivors: A PETALE study. <i>Clinical Nutrition</i> , 2019 , 38, 912-919	5.9	11
299	Whole-Exome Sequencing Identifies an Intronic Cryptic Splice Site in Causing Osteogenesis Imperfecta Type VI. <i>JBMR Plus</i> , 2018 , 2, 235-239	3.9	2
298	Pain and quality of life of children and adolescents with osteogenesis imperfecta over a bisphosphonate treatment cycle. <i>European Journal of Pediatrics</i> , 2018 , 177, 891-902	4.1	11
297	Genotype and malocclusion in patients with osteogenesis imperfecta. <i>Orthodontics and Craniofacial Research</i> , 2018 , 21, 71-77	3	3
296	Anabolic Therapy for the Treatment of Osteoporosis in Childhood. <i>Current Osteoporosis Reports</i> , 2018 , 16, 269-276	5.4	16

295	Pulmonary and diaphragmatic pathology in collagen type I $\alpha 1$ mutant mice with osteogenesis imperfecta. <i>Pediatric Research</i> , 2018 , 83, 1165-1171	3.2	13
294	Vitamin D status and functional health outcomes in children aged 2-8 y: a 6-mo vitamin D randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2018 , 107, 355-364	7	11
293	Assessment of the effect of systemic delivery of sclerostin antibodies on Wnt signaling in distraction osteogenesis. <i>Journal of Bone and Mineral Metabolism</i> , 2018 , 36, 373-382	2.9	4
292	Novel WNT1 mutations in children with osteogenesis imperfecta: Clinical and functional characterization. <i>Bone</i> , 2018 , 114, 144-149	4.7	20
291	Hypercalcemia and hypercalciuria during denosumab treatment in children with osteogenesis imperfecta type VI. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2018 , 18, 76-80	1.3	27
290	Crispr-Cas9 engineered osteogenesis imperfecta type V leads to severe skeletal deformities and perinatal lethality in mice. <i>Bone</i> , 2018 , 107, 131-142	4.7	24
289	A Best Practice Initiative to Optimize Transfer of Young Adults With Osteogenesis Imperfecta From Child to Adult Healthcare Services. <i>Clinical Nurse Specialist</i> , 2018 , 32, 323-335	0.6	3
288	Oral health-related quality of life in children and adolescents with osteogenesis imperfecta: cross-sectional study. <i>Orphanet Journal of Rare Diseases</i> , 2018 , 13, 187	4.2	10
287	A multicenter study to evaluate pulmonary function in osteogenesis imperfecta. <i>Clinical Genetics</i> , 2018 , 94, 502-511	4	20
286	Osteogenesis imperfecta type III/Ehlers-Danlos overlap syndrome in a Chinese man. <i>Intractable and Rare Diseases Research</i> , 2018 , 7, 37-41	1.4	6
285	Bone Morbidity and Recovery in Children With Acute Lymphoblastic Leukemia: Results of a Six-Year Prospective Cohort Study. <i>Journal of Bone and Mineral Research</i> , 2018 , 33, 1435-1443	6.3	50
284	Hip Dysplasia in Children With Osteogenesis Imperfecta: Association With Collagen Type I C-Propeptide Mutations. <i>Journal of Pediatric Orthopaedics</i> , 2017 , 37, 479-483	2.4	10
283	Static Postural Control in Youth With Osteogenesis Imperfecta Type I. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017 , 98, 1948-1954	2.8	3
282	Muscle Function in Osteogenesis Imperfecta Type IV. <i>Calcified Tissue International</i> , 2017 , 101, 362-370	3.9	14
281	Learning from the experience of a long-standing interprofessional osteogenesis imperfecta clinic: A case study evaluation. <i>Journal of Interprofessional Education and Practice</i> , 2017 , 7, 54-60	0.6	
280	Hypermineralization and High Osteocyte Lacunar Density in Osteogenesis Imperfecta Type V Bone Indicate Exuberant Primary Bone Formation. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 1884-1892	6.3	34
279	Molecular diagnosis in children with fractures but no extraskeletal signs of osteogenesis imperfecta. <i>Osteoporosis International</i> , 2017 , 28, 2095-2101	5.3	21
278	The PETALE study: Late adverse effects and biomarkers in childhood acute lymphoblastic leukemia survivors. <i>Pediatric Blood and Cancer</i> , 2017 , 64, e26361	3	43

277	Diaphyseal Femur Fractures in Osteogenesis Imperfecta: Characteristics and Relationship With Bisphosphonate Treatment. <i>Journal of Bone and Mineral Research</i> , 2017 , 32, 1034-1039	6.3	24
276	DHA and EPA in red blood cell membranes are associated with dietary intakes of omega-3-rich fish in healthy children. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2017 , 124, 11-16	2.8	15
275	Muscle-Bone Interactions in Pediatric Bone Diseases. <i>Current Osteoporosis Reports</i> , 2017 , 15, 425-432	5.4	19
274	Long-term follow-up in osteogenesis imperfecta type VI. <i>Osteoporosis International</i> , 2017 , 28, 2975-2983	5.3	12
273	Metabolic phenotype in the mouse model of osteogenesis imperfecta. <i>Journal of Endocrinology</i> , 2017 , 234, 279-289	4.7	14
272	Increased bone matrix mineralization in treatment-naïve children with inflammatory bowel disease. <i>Bone</i> , 2017 , 105, 50-56	4.7	8
271	An Official American Thoracic Society Workshop Report: Translational Research in Rare Respiratory Diseases. <i>Annals of the American Thoracic Society</i> , 2017 , 14, 1239-1247	4.7	1
270	Musculoskeletal health in newly diagnosed children with Crohn's disease. <i>Osteoporosis International</i> , 2017 , 28, 3169-3177	5.3	20
269	The Determinants of Peak Bone Mass. <i>Journal of Pediatrics</i> , 2017 , 180, 261-269	3.6	99
268	Geometry reconstruction method for patient-specific finite element models for the assessment of tibia fracture risk in osteogenesis imperfecta. <i>Medical and Biological Engineering and Computing</i> , 2017 , 55, 549-560	3.1	8
267	Bone Structural Characteristics and Response to Bisphosphonate Treatment in Children With Hajdu-Cheney Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017 , 102, 4163-4172	5.6	18
266	Spondyloepimetaphysial Dysplasia with Joint Laxity in Three Siblings with Mutations. <i>Molecular Syndromology</i> , 2017 , 8, 303-307	1.5	5
265	The brains of the bones: how osteocytes use WNT1 to control bone formation. <i>Journal of Clinical Investigation</i> , 2017 , 127, 2539-2540	15.9	6
264	Muscle abnormalities in osteogenesis imperfecta. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2017 , 17, 1-7	1.3	13
263	Cesarean delivery is not associated with decreased at-birth fracture rates in osteogenesis imperfecta. <i>Genetics in Medicine</i> , 2016 , 18, 570-6	8.1	27
262	DNA sequence analysis in 598 individuals with a clinical diagnosis of osteogenesis imperfecta: diagnostic yield and mutation spectrum. <i>Osteoporosis International</i> , 2016 , 27, 3607-3613	5.3	85
261	Non-Lethal Type VIII Osteogenesis Imperfecta Has Elevated Bone Matrix Mineralization. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 3516-25	5.6	18
260	Sclerostin: More than a bone formation brake. <i>Science Translational Medicine</i> , 2016 , 8, 330fs7	17.5	3

259	The Spectrum of Recovery From Fracture-Induced Vertebral Deformity in Pediatric Leukemia. <i>Pediatric Blood and Cancer</i> , 2016 , 63, 1107-10	3	15
258	Histomorphometry and Bone Matrix Mineralization Before and After Bisphosphonate Treatment in Boys With Duchenne Muscular Dystrophy: A Paired Transiliac Biopsy Study. <i>Journal of Bone and Mineral Research</i> , 2016 , 31, 1060-9	6.3	31
257	Does Sclerostin Depletion Stimulate Fracture Healing in a Mouse Model?. <i>Clinical Orthopaedics and Related Research</i> , 2016 , 474, 1294-302	2.2	16
256	Body Composition in Children and Adolescents with Osteogenesis Imperfecta. <i>Journal of Pediatrics</i> , 2016 , 169, 232-7	3.6	20
255	Craniofacial and Dental Defects in the Col1a1Jrt/+ Mouse Model of Osteogenesis Imperfecta. <i>Journal of Dental Research</i> , 2016 , 95, 761-8	8.1	18
254	Bone matrix hypermineralization in prolyl-3 hydroxylase 1 deficient mice. <i>Bone</i> , 2016 , 85, 15-22	4.7	10
253	Osteogenesis Imperfecta Type VI in Individuals from Northern Canada. <i>Calcified Tissue International</i> , 2016 , 98, 566-72	3.9	24
252	The psychosocial experience of individuals living with osteogenesis imperfecta: a mixed-methods systematic review. <i>Quality of Life Research</i> , 2016 , 25, 1877-96	3.7	33
251	Effect of high-dose vitamin D supplementation on bone density in youth with osteogenesis imperfecta: A randomized controlled trial. <i>Bone</i> , 2016 , 86, 36-42	4.7	20
250	Scoliosis in osteogenesis imperfecta caused by COL1A1/COL1A2 mutations - genotype-phenotype correlations and effect of bisphosphonate treatment. <i>Bone</i> , 2016 , 86, 53-7	4.7	43
249	Dietary vitamin D dose-response in healthy children 2 to 8 y of age: a 12-wk randomized controlled trial using fortified foods. <i>American Journal of Clinical Nutrition</i> , 2016 , 103, 144-52	7	25
248	Agreement of spatio-temporal gait parameters between a vertical ground reaction force decomposition algorithm and a motion capture system. <i>Gait and Posture</i> , 2016 , 43, 257-64	2.6	12
247	Evaluation of a Modified Pamidronate Protocol for the Treatment of Osteogenesis Imperfecta. <i>Calcified Tissue International</i> , 2016 , 98, 42-8	3.9	7
246	Osteogenesis Imperfecta Type I Caused by COL1A1 Deletions. <i>Calcified Tissue International</i> , 2016 , 98, 76-84	3.9	22
245	Involving Families with Osteogenesis Imperfecta in Health Service Research: Joint Development of the OI/ECE Questionnaire. <i>PLoS ONE</i> , 2016 , 11, e0147654	3.7	5
244	Pediatric data for dual X-ray absorptiometric measures of normal lumbar bone mineral density in children under 5 years of age using the lunar prodigy densitometer. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2016 , 16, 247-55	1.3	4
243	Ageing Versus Postmenopausal Osteoporosis: Bone Composition and Maturation Kinetics at Actively-Forming Trabecular Surfaces of Female Subjects Aged 1 to 84 Years. <i>Journal of Bone and Mineral Research</i> , 2016 , 31, 347-57	6.3	45
242	Evidence for a Role for Nanoporosity and Pyridinoline Content in Human Mild Osteogenesis Imperfecta. <i>Journal of Bone and Mineral Research</i> , 2016 , 31, 1050-9	6.3	29

241	Osteogenesis imperfecta in children and adolescents-new developments in diagnosis and treatment. <i>Osteoporosis International</i> , 2016 , 27, 3427-3437	5.3	102
240	Quality of life in osteogenesis imperfecta: A mixed-methods systematic review. <i>American Journal of Medical Genetics, Part A</i> , 2016 , 170A, 62-76	2.5	37
239	Multidisciplinary Treatment of Severe Osteogenesis Imperfecta: Functional Outcomes at Skeletal Maturity. <i>Archives of Physical Medicine and Rehabilitation</i> , 2015 , 96, 1834-9	2.8	31
238	The effect of SERPINF1 in-frame mutations in osteogenesis imperfecta type VI. <i>Bone</i> , 2015 , 76, 115-20	4.7	15
237	A cross-sectional multicenter study of osteogenesis imperfecta in North America - results from the linked clinical research centers. <i>Clinical Genetics</i> , 2015 , 87, 133-40	4	45
236	The choice of normative pediatric reference database changes spine bone mineral density Z-scores but not the relationship between bone mineral density and prevalent vertebral fractures. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 1018-27	5.6	45
235	Behavioral signs of pain and functional impairment in a mouse model of osteogenesis imperfecta. <i>Bone</i> , 2015 , 81, 400-406	4.7	20
234	Incident Vertebral Fractures in Children With Leukemia During the Four Years Following Diagnosis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, 3408-17	5.6	68
233	A polyadenylation site variant causes transcript-specific BMP1 deficiency and frequent fractures in children. <i>Human Molecular Genetics</i> , 2015 , 24, 516-24	5.6	32
232	Osteotomy Healing in Children With Osteogenesis Imperfecta Receiving Bisphosphonate Treatment. <i>Journal of Bone and Mineral Research</i> , 2015 , 30, 1362-8	6.3	44
231	Incident Vertebral Fractures and Risk Factors in the First Three Years Following Glucocorticoid Initiation Among Pediatric Patients With Rheumatic Disorders. <i>Journal of Bone and Mineral Research</i> , 2015 , 30, 1667-75	6.3	72
230	Intravenous Bisphosphonate Therapy of Young Children With Osteogenesis Imperfecta: Skeletal Findings During Follow Up Throughout the Growing Years. <i>Journal of Bone and Mineral Research</i> , 2015 , 30, 2150-7	6.3	81
229	Mathematical model for bone mineralization. <i>Frontiers in Cell and Developmental Biology</i> , 2015 , 3, 51	5.7	12
228	Recessive osteogenesis imperfecta caused by missense mutations in SPARC. <i>American Journal of Human Genetics</i> , 2015 , 96, 979-85	11	81
227	Homozygosity for frameshift mutations in XYLT2 result in a spondylo-ocular syndrome with bone fragility, cataracts, and hearing defects. <i>American Journal of Human Genetics</i> , 2015 , 96, 971-8	11	50
226	The functional muscle-bone unit in patients with osteogenesis imperfecta type I. <i>Bone</i> , 2015 , 79, 52-7	4.7	34
225	Cole-Carpenter syndrome is caused by a heterozygous missense mutation in P4HB. <i>American Journal of Human Genetics</i> , 2015 , 96, 425-31	11	65
224	Unique micro- and nano-scale mineralization pattern of human osteogenesis imperfecta type VI bone. <i>Bone</i> , 2015 , 73, 233-41	4.7	37

223	Physical activity in youth with osteogenesis imperfecta type I. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2015 , 15, 171-6	1.3	23
222	Effect of High-Dose Vitamin D Supplementation on Bone Density in Youth with Osteogenesis Imperfecta: A Randomized Controlled Trial. <i>FASEB Journal</i> , 2015 , 29, 758.9	0.9	
221	Vitamin D Status and Functional Health Outcomes: A Randomized Vitamin D Dose-Response Trial in 2-8 y Olds. <i>FASEB Journal</i> , 2015 , 29, 734.5	0.9	
220	Milk Product Intake May Not Associate With Body Fat Percentage or Bone Density in Young Children. <i>FASEB Journal</i> , 2015 , 29, 734.9	0.9	
219	Skeletal findings in the first 12 months following initiation of glucocorticoid therapy for pediatric nephrotic syndrome. <i>Osteoporosis International</i> , 2014 , 25, 627-37	5.3	37
218	Muscle anatomy and dynamic muscle function in osteogenesis imperfecta type I. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E356-62	5.6	40
217	Topological mapping of BRIL reveals a type II orientation and effects of osteogenesis imperfecta mutations on its cellular destination. <i>Journal of Bone and Mineral Research</i> , 2014 , 29, 2004-16	6.3	23
216	Pediatric reference Raman data for material characteristics of iliac trabecular bone. <i>Bone</i> , 2014 , 69, 89-97	4.7	36
215	Circulating sclerostin in children and young adults with heritable bone disorders. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E920-5	5.6	17
214	Effect of sclerostin antibody treatment in a mouse model of severe osteogenesis imperfecta. <i>Bone</i> , 2014 , 66, 182-8	4.7	73
213	Skeletal characteristics associated with homozygous and heterozygous WNT1 mutations. <i>Bone</i> , 2014 , 67, 63-70	4.7	34
212	Targeted sequencing of a pediatric metabolic bone gene panel using a desktop semiconductor next-generation sequencer. <i>Calcified Tissue International</i> , 2014 , 95, 323-31	3.9	21
211	Shaping and managing the course of a child's disease: parental experiences with osteogenesis imperfecta. <i>Disability and Health Journal</i> , 2014 , 7, 343-9	4.2	18
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2	Chapter 13. Fetal and Neonatal Bone Development71-74		2
1	Chapter 57. Juvenile Osteoporosis264-267		4