

Catherine Ambrose

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

3,457
citations

201385

27
h-index

138251

58
g-index

63
all docs

63
docs citations

63
times ranked

3937
citing authors

#	ARTICLE	IF	CITATIONS
1	An objective assessment for bone drilling: A pilot study on vertical drilling. <i>Journal of Orthopaedic Research</i> , 2023, 41, 378-385.	1.2	2
2	Incidence, Complications, and Novel Treatment Strategies: Osteomyelitis. , 2022, , 203-225.		1
3	Micro-computed tomography assessment of bone structure in aging mice. <i>Scientific Reports</i> , 2022, 12, 8117.	1.6	15
4	Tendon and motor phenotypes in the <i>Crtap</i> ^{-/-} mouse model of recessive osteogenesis imperfecta. <i>ELife</i> , 2021, 10, .	2.8	11
5	Type-I collagen produced by distinct fibroblast lineages reveals specific function during embryogenesis and Osteogenesis Imperfecta. <i>Nature Communications</i> , 2021, 12, 7199.	5.8	46
6	Fracture Healing in Collagen-Related Preclinical Models of Osteogenesis Imperfecta. <i>Journal of Bone and Mineral Research</i> , 2020, 35, 1132-1148.	3.1	13
7	4-PBA Treatment Improves Bone Phenotypes in the <i>Aga2</i> Mouse Model of Osteogenesis Imperfecta. <i>Journal of Bone and Mineral Research</i> , 2020, 37, 675-686.	3.1	14
8	Lower femoral neck bone mineral density (BMD) in elderly women not on statins. <i>Women and Health</i> , 2019, 59, 845-853.	0.4	3
9	Reduced bone loss in a murine model of postmenopausal osteoporosis lacking complement component 3. <i>Journal of Orthopaedic Research</i> , 2018, 36, 118-128.	1.2	18
10	Trabecular Bone Score Is a Valuable Addition to Bone Mineral Density for Bone Quality Assessment in Older Mexican American Women With Type 2 Diabetes. <i>Journal of Clinical Densitometry</i> , 2018, 21, 355-359.	0.5	15
11	Persistence of bacterial DNA in orthopedic infections. <i>Diagnostic Microbiology and Infectious Disease</i> , 2018, 91, 136-140.	0.8	4
12	Lumbar Spine Trabecular Bone Score (TBS) Reflects Diminished Bone Quality in Patients With Diabetes Mellitus and Oral Glucocorticoid Therapy. <i>Journal of Clinical Densitometry</i> , 2018, 21, 185-192.	0.5	24
13	Mutant cartilage oligomeric matrix protein (COMP) compromises bone integrity, joint function and the balance between adipogenesis and osteogenesis. <i>Matrix Biology</i> , 2018, 67, 75-89.	1.5	26
14	Association of Selective Serotonin Reuptake Inhibitors and Bone Mineral Density in Elderly Women. <i>Journal of Clinical Densitometry</i> , 2018, 21, 193-199.	0.5	16
15	Mechanical properties of infant bone. <i>Bone</i> , 2018, 113, 151-160.	1.4	18
16	<i>Fkbp10</i> Deletion in Osteoblasts Leads to Qualitative Defects in Bone. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 1354-1367.	3.1	16
17	Correlations Between Bone Mechanical Properties and Bone Composition Parameters in Mouse Models of Dominant and Recessive Osteogenesis Imperfecta and the Response to Anti-TGF- β 2 Treatment. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 347-359.	3.1	24
18	Are cephalomedullary interlocking screws superior to standard interlocking screws in subtrochanteric femoral fractures with an intact lesser trochanter?. <i>Current Orthopaedic Practice</i> , 2017, 28, 371-374.	0.1	0

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19	Long-term use of angiotensin-converting enzyme inhibitors protects against bone loss in African-American elderly men. <i>Archives of Osteoporosis</i> , 2017, 12, 94.	1.0	13
20	Surgical Preparation for Articular Cartilage Regeneration in the Osteoarthritic Knee Joint. <i>Cartilage</i> , 2017, 8, 365-368.	1.4	3
21	Osteocyte-specific WNT1 regulates osteoblast function during bone homeostasis. <i>Journal of Clinical Investigation</i> , 2017, 127, 2678-2688.	3.9	143
22	Do Safe Radiographic Sacral Screw Pathways Exist in a Pediatric Patient Population and Do They Change With Age?. <i>Journal of Orthopaedic Trauma</i> , 2016, 30, 41-47.	0.7	19
23	Beyond Blood Culture and Gram Stain Analysis: A Review of Molecular Techniques for the Early Detection of Bacteremia in Surgical Patients. <i>Surgical Infections</i> , 2016, 17, 294-302.	0.7	23
24	Do Transsacral-transiliac Screws Across Uninjured Sacroiliac Joints Affect Pain and Functional Outcomes in Trauma Patients?. <i>Clinical Orthopaedics and Related Research</i> , 2016, 474, 1417-1421.	0.7	31
25	Spatially offset raman spectroscopy for non-invasive assessment of fracture healing. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
26	ZIP4 silencing improves bone loss in pancreatic cancer. <i>Oncotarget</i> , 2015, 6, 26041-26051.	0.8	16
27	Polymers in Orthopaedic Surgery. , 2015, , 129-145.		8
28	The swaying mouse as a model of osteogenesis imperfecta caused by WNT1 mutations. <i>Human Molecular Genetics</i> , 2014, 23, 4035-4042.	1.4	66
29	Evaluation of Antibiotic-Impregnated Microspheres for the Prevention of Implant-Associated Orthopaedic Infections. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 128-134.	1.4	27
30	Excessive transforming growth factor- β signaling is a common mechanism in osteogenesis imperfecta. <i>Nature Medicine</i> , 2014, 20, 670-675.	15.2	237
31	Quantitative Analysis of Torsional Stiffness in Supplemental One-Third Tubular Plate Fixation in the Management of Isolated Syndesmosis Injuries. <i>Foot and Ankle International</i> , 2013, 34, 267-272.	1.1	7
32	E-selectin ligand 1 regulates bone remodeling by limiting bioactive TGF- β in the bone microenvironment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7336-7341.	3.3	32
33	An Alternative Patellar Fracture Fixation. <i>Journal of Orthopaedic Trauma</i> , 2013, 27, 345-351.	0.7	37
34	The Comparative Stability of Screw Versus Plate Versus Screw and Plate Coronoid Fixation. <i>Journal of Hand Surgery</i> , 2011, 36, 238-245.	0.7	22
35	Surgical Preparation for Articular Cartilage Regeneration Without Penetration of the Subchondral Bone Plate. <i>American Journal of Sports Medicine</i> , 2011, 39, 624-631.	1.9	17
36	The Arthroscopic Square Knot: A Biomechanical Comparison With Open and Arthroscopic Knots. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2006, 22, 736-741.	1.3	40

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37	Effect of Calcium Tablets on Interpretation of Lumbar Spine DXA Scans. <i>Journal of Clinical Densitometry</i> , 2006, 9, 97-104.	0.5	14
38	Functional Significance of Bone Density Measurements in Children with Osteogenesis Imperfecta. <i>Journal of Bone and Joint Surgery - Series A</i> , 2006, 88, 1324-1330.	1.4	28
39	Flow Perfusion Culture of Marrow Stromal Cells Seeded on Porous Biphasic Calcium Phosphate Ceramics. <i>Annals of Biomedical Engineering</i> , 2005, 33, 1238-1248.	1.3	95
40	Relationship Among MRTA, DXA, and QUS Revisited. <i>Journal of Clinical Densitometry</i> , 2005, 8, 396-403.	0.5	2
41	Bioabsorbable Implants: Review of Clinical Experience in Orthopedic Surgery. <i>Annals of Biomedical Engineering</i> , 2004, 32, 171-177.	1.3	181
42	In vitro osteogenic differentiation of marrow stromal cells encapsulated in biodegradable hydrogels. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 70A, 235-244.	3.0	122
43	Thermally Cross-Linked Oligo(poly(ethylene glycol) fumarate) Hydrogels Support Osteogenic Differentiation of Encapsulated Marrow Stromal Cells In Vitro. <i>Biomacromolecules</i> , 2004, 5, 5-10.	2.6	144
44	Total knee arthroplasty in hemophilic arthropathy. <i>Journal of Arthroplasty</i> , 2004, 19, 56-60.	1.5	46
45	Effective Treatment of Osteomyelitis with Biodegradable Microspheres in a Rabbit Model. <i>Clinical Orthopaedics and Related Research</i> , 2004, 421, 293-299.	0.7	74
46	Calculation of the Opening Wedge for a Low Tibial Osteotomy. <i>Foot and Ankle International</i> , 2004, 25, 778-782.	1.1	31
47	Mechanical testing of small fracture implants for comparison of insertion and failure torques. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2003, 123, 388-391.	1.3	9
48	Evaluation of thermal- and photo-crosslinked biodegradable poly(propylene fumarate)-based networks. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 66A, 811-818.	3.0	71
49	In vitro degradation of polymeric networks of poly(propylene fumarate) and the crosslinking macromer poly(propylene fumarate)-diacrylate. <i>Biomaterials</i> , 2003, 24, 571-577.	5.7	116
50	Fabrication of poly(propylene fumarate)-based orthopaedic implants by photo-crosslinking through transparent silicone molds. <i>Biomaterials</i> , 2003, 24, 4707-4714.	5.7	56
51	In Vitro Cytotoxicity of Injectable and Biodegradable Poly(propylene fumarate)-Based Networks: Unreacted Macromers, Cross-Linked Networks, and Degradation Products. <i>Biomacromolecules</i> , 2003, 4, 1026-1033.	2.6	105
52	Constrained acetabular cups. <i>Journal of Arthroplasty</i> , 2003, 18, 466-470.	1.5	6
53	Hypogonadism and Osteoporosis in Men—Reply. <i>Archives of Internal Medicine</i> , 2003, 163, 1237.	4.3	4
54	Undertreatment of Osteoporosis in Men Who Have Had a Hip Fracture—Reply. <i>Archives of Internal Medicine</i> , 2003, 163, 1236.	4.3	6

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55	Effect of physiological temperature on the mechanical properties and network structure of biodegradable poly(propylene fumarate)-based networks. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 369-382.	1.9	25
56	Antibiotic Microspheres: Preliminary Testing for Potential Treatment of Osteomyelitis. <i>Clinical Orthopaedics and Related Research</i> , 2003, 415, 279-285.	0.7	51
57	Tendon Transfer Fixation: Comparing a Tendon to Tendon Technique vs. Bioabsorbable Interference-Fit Screw Fixation. <i>Foot and Ankle International</i> , 2003, 24, 260-262.	1.1	36
58	Tendon Transfer Fixation in the Foot and Ankle: A Biomechanical Study Evaluating Two Sizes of Pilot Holes for Bioabsorbable Screws. <i>Foot and Ankle International</i> , 2003, 24, 67-72.	1.1	29
59	Undertreatment of Osteoporosis in Men With Hip Fracture. <i>Archives of Internal Medicine</i> , 2002, 162, 2217.	4.3	328
60	Biomechanical Testing of Cadaveric Specimens: Importance of Bone Mineral Density Assessment. <i>Foot and Ankle International</i> , 2002, 23, 850-855.	1.1	16
61	Characterization of the Cross-Linked Structure of Fumarate-Based Degradable Polymer Networks. <i>Macromolecules</i> , 2002, 35, 4373-4379.	2.2	50
62	Fluid flow increases mineralized matrix deposition in 3D perfusion culture of marrow stromal osteoblasts in a dose-dependent manner. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 12600-12605.	3.3	634
63	The role of the distal radioulnar ligaments, interosseous membrane, and joint capsule in distal radioulnar joint stability. <i>Journal of Hand Surgery</i> , 2000, 25, 341-351.	0.7	168