

Makoto Hirao

List of Publications by Year in descending order

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48
papers

1,101
citations

394421

19
h-index

414414

32
g-index

51
all docs

51
docs citations

51
times ranked

1288
citing authors

#	ARTICLE	IF	CITATIONS
1	IL-6 negatively regulates osteoblast differentiation through the SHP2/MEK2 and SHP2/Akt2 pathways in vitro. <i>Journal of Bone and Mineral Metabolism</i> , 2014, 32, 378-392.	2.7	156
2	Identification of a novel arthritis-associated osteoclast precursor macrophage regulated by FoxM1. <i>Nature Immunology</i> , 2019, 20, 1631-1643.	14.5	107
3	Drug retention and discontinuation reasons between seven biologics in patients with rheumatoid arthritis -The ANSWER cohort study-. <i>PLoS ONE</i> , 2018, 13, e0194130.	2.5	65
4	The effects of switching daily teriparatide to oral bisphosphonates or denosumab in patients with primary osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2017, 35, 91-98.	2.7	52
5	Synovial mesenchymal stem cells from osteo- or rheumatoid arthritis joints exhibit good potential for cartilage repair using a scaffold-free tissue engineering approach. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1413-1422.	1.3	46
6	Drug tolerability and reasons for discontinuation of seven biologics in elderly patients with rheumatoid arthritis -The ANSWER cohort study-. <i>PLoS ONE</i> , 2019, 14, e0216624.	2.5	46
7	Osteoporosis Changes Collagen/Apatite Orientation and Young's Modulus in Vertebral Cortical Bone of Rat. <i>Calcified Tissue International</i> , 2019, 104, 449-460.	3.1	41
8	Comparison of the effect of 18-month daily teriparatide administration on patients with rheumatoid arthritis and postmenopausal osteoporosis patients. <i>Osteoporosis International</i> , 2014, 25, 2755-2765.	3.1	36
9	Drug tolerability and reasons for discontinuation of seven biologics in 4466 treatment courses of rheumatoid arthritis—the ANSWER cohort study. <i>Arthritis Research and Therapy</i> , 2019, 21, 91.	3.5	36
10	Effects of prior osteoporosis treatment on early treatment response of romosozumab in patients with postmenopausal osteoporosis. <i>Bone</i> , 2020, 140, 115574.	2.9	33
11	Progranulin plays crucial roles in preserving bone mass by inhibiting TNF- α -induced osteoclastogenesis and promoting osteoblastic differentiation in mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 638-643.	2.1	31
12	Outcomes of modified metatarsal shortening offset osteotomy for forefoot deformity in patients with rheumatoid arthritis: Short to mid-term follow-up. <i>Modern Rheumatology</i> , 2017, 27, 981-989.	1.8	31
13	Modified Scarf Osteotomy with Medial Capsule Interposition for Hallux Valgus in Rheumatoid Arthritis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 765-776.	3.0	28
14	Effects of prior osteoporosis treatment on 12-month treatment response of romosozumab in patients with postmenopausal osteoporosis. <i>Joint Bone Spine</i> , 2021, 88, 105219.	1.6	27
15	Apolipoprotein E plays crucial roles in maintaining bone mass by promoting osteoblast differentiation via ERK1/2 pathway and by suppressing osteoclast differentiation via c-Fos, NFATc1, and NF- κ B pathway. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 644-650.	2.1	26
16	Drug retention of 7 biologics and tofacitinib in biologics-naïve and biologics-switched patients with rheumatoid arthritis: the ANSWER cohort study. <i>Arthritis Research and Therapy</i> , 2020, 22, 142.	3.5	24
17	Assessment of the effects of switching oral bisphosphonates to denosumab or daily teriparatide in patients with rheumatoid arthritis. <i>Journal of Bone and Mineral Metabolism</i> , 2018, 36, 478-487.	2.7	23
18	Comparison of the effects of 12 months of monthly minodronate monotherapy and monthly minodronate combination therapy with vitamin K2 or eldcalcitol in patients with primary osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2016, 34, 243-250.	2.7	21

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19	Impact of dexamethasone concentration on cartilage tissue formation from human synovial derived stem cells in vitro. <i>Cytotechnology</i> , 2018, 70, 819-829.	1.6	21
20	Impact of switching oral bisphosphonates to denosumab or daily teriparatide on the progression of radiographic joint destruction in patients with biologic-naïve rheumatoid arthritis. <i>Osteoporosis International</i> , 2018, 29, 1627-1636.	3.1	20
21	Utility of Distal Forearm DXA as a Screening Tool for Primary Osteoporotic Fragility Fractures of the Distal Radius. <i>JBJS Open Access</i> , 2020, 5, e0036.	1.5	19
22	Involvement of valgus hindfoot deformity in hallux valgus deformity in rheumatoid arthritis. <i>Modern Rheumatology</i> , 2014, 24, 851-854.	1.8	18
23	Oxygen ultra-fine bubbles water administration prevents bone loss of glucocorticoid-induced osteoporosis in mice by suppressing osteoclast differentiation. <i>Osteoporosis International</i> , 2017, 28, 1063-1075.	3.1	18
24	Factors affecting drug retention of Janus kinase inhibitors in patients with rheumatoid arthritis: the ANSWER cohort study. <i>Scientific Reports</i> , 2022, 12, 134.	3.3	18
25	Comparison of the effects of denosumab between a native vitamin D combination and an active vitamin D combination in patients with postmenopausal osteoporosis. <i>Journal of Bone and Mineral Metabolism</i> , 2017, 35, 571-580.	2.7	17
26	Comparison of a self-administered foot evaluation questionnaire (SAFE-Q) between joint-preserving arthroplasty and resection-replacement arthroplasty in forefoot surgery for patients with rheumatoid arthritis. <i>Modern Rheumatology</i> , 2017, 27, 795-800.	1.8	16
27	Total Ankle Arthroplasty for Rheumatoid Arthritis in Japanese Patients. <i>JBJS Open Access</i> , 2017, 2, e0033.	1.5	13
28	Administration of Oxygen Ultra-Fine Bubbles Improves Nerve Dysfunction in a Rat Sciatic Nerve Crush Injury Model. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1395.	4.1	13
29	Drug retention of sarilumab, baricitinib, and tofacitinib in patients with rheumatoid arthritis: the ANSWER cohort study. <i>Clinical Rheumatology</i> , 2021, 40, 2673-2680.	2.2	13
30	Drug retention of secondary biologics or JAK inhibitors after tocilizumab or abatacept failure as first biologics in patients with rheumatoid arthritis -the ANSWER cohort study-. <i>Clinical Rheumatology</i> , 2020, 39, 2563-2572.	2.2	11
31	Effects of prior osteoporosis treatment on the treatment response of romosozumab followed by denosumab in patients with postmenopausal osteoporosis. <i>Osteoporosis International</i> , 2022, 33, 1807-1813.	3.1	10
32	Modified Scarf Osteotomy with Medial Capsular Interposition in Great Toe and Metatarsal Shortening Offset Osteotomy in Lesser Toes for Rheumatoid Deformity. <i>JBJS Essential Surgical Techniques</i> , 2018, 8, e27.	0.8	6
33	Appearance of hindfoot valgus deformity and recurrence of hallux valgus in the very early period after hallux valgus surgery in a poorly controlled rheumatoid arthritis case: A case report. <i>Modern Rheumatology</i> , 2019, 29, 367-369.	1.8	6
34	Impact of combining medial capsule interposition with modified scarf osteotomy for hallux valgus. <i>Modern Rheumatology</i> , 2020, 30, 204-210.	1.8	6
35	Use of a Custom-made Surgical Guide in Total Ankle Arthroplasty in Rheumatoid Arthritis Cases. <i>Techniques in Orthopaedics</i> , 2014, 29, 103-112.	0.2	5
36	Association between preoperative pain intensity of MTP joint callosities of the lesser toes and fore-mid-hindfoot deformities in rheumatoid arthritis cases. <i>Modern Rheumatology</i> , 2017, 27, 50-53.	1.8	5

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37	Combination of Modified Scarf Osteotomy and Metatarsal Shortening Offset Osteotomy for Rheumatoid Forefoot Deformity. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10473.	2.6	5
38	Hallux valgus deformity after total ankle arthroplasty for rheumatoid arthritis: A case report. <i>Modern Rheumatology</i> , 2018, 28, 890-892.	1.8	4
39	Effects of range of motion exercise of the metatarsophalangeal joint from 2-weeks after joint-preserving rheumatoid forefoot surgery. <i>Modern Rheumatology</i> , 2020, 30, 305-312.	1.8	4
40	A report of three cases which required tibialis anterior tendon resection to recover delayed wound healing after total ankle arthroplasty in patients with rheumatoid arthritis. <i>Modern Rheumatology Case Reports</i> , 2020, 4, 6-10.	0.7	4
41	Comparison of outcomes of different osteotomy sites for hallux valgus: A systematic review and meta-analysis. <i>Journal of Orthopaedic Surgery</i> , 2022, 30, 102255362211104.	1.0	4
42	Use of autologous bone grafting from the calcaneus and interconnected porous hydroxyapatite ceramic for bone transplantation in rheumatoid foot surgery. <i>SAGE Open Medical Case Reports</i> , 2018, 6, 2050313X1878441.	0.3	2
43	Radiographic effects observed in the coronal view after medial malleolar osteotomy at total ankle arthroplasty in rheumatoid arthritis cases. <i>Journal of Orthopaedic Science</i> , 2020, 25, 1072-1078.	1.1	2
44	Association of Decreased Physical Activity with Rheumatoid Mid-Hindfoot Deformity/Destruction. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10037.	2.6	2
45	Modified Anterolateral Approach for Total Ankle Arthroplasty. <i>Foot & Ankle Orthopaedics</i> , 2021, 6, 247301142110133.	0.2	1
46	Midfoot Derotational Osteotomy for Ankylosing Inversion Deformity in Patients with Rheumatoid Arthritis. <i>JBJS Case Connector</i> , 2022, 12, .	0.3	1
47	Characteristics of Intermetatarsal Angle Between the Second and Fifth Metatarsals (M2-M5A) in the Rheumatoid Foot. <i>Cureus</i> , 2022, , .	0.5	0
48	Modified Scarf Osteotomy with Medial Capsular Interposition Combined with Metatarsal Shortening Offset Osteotomy. <i>Journal of Bone and Joint Surgery - Series A</i> , 2022, 104, 1269-1280.	3.0	0