Wasim S Khan

List of Publications by Year
in descending order

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126 papers	2,381 citations	218677 26 h-index	289244 40 g-index
127 all docs	127 docs citations	127 times ranked	3483 citing authors

#	Article	IF	Citations
1	Cell Surface Markers on Adipose-Derived Stem Cells: A Systematic Review. Current Stem Cell Research and Therapy, 2017, 12, 484-492.	1.3	108
2	Peripheral Nerve Injury: Principles for Repair and Regeneration. The Open Orthopaedics Journal, 2014, 8, 199-203.	0.2	91
3	Clinical and Radiological Outcomes in Robotic-Assisted Total Knee Arthroplasty: A Systematic Review and Meta-Analysis. Journal of Arthroplasty, 2020, 35, 3393-3409.e2.	3.1	84
4	The Pathophysiology, Diagnosis and Current Management of Acute Compartment Syndrome. The Open Orthopaedics Journal, 2014, 8, 185-193.	0.2	78
5	A Systemic Review of Adult Mesenchymal Stem Cell Sources and their Multilineage Differentiation Potential Relevant to Musculoskeletal Tissue Repair and Regeneration. Current Stem Cell Research and Therapy, 2017, 12, 601-610.	1.3	75
6	An Osteoconductive, Osteoinductive, and Osteogenic Tissue-Engineered Product for Trauma and Orthopaedic Surgery: How Far Are We?. Stem Cells International, 2012, 2012, 1-7.	2.5	70
7	Immune Response in Critically Ill Patients. Mediators of Inflammation, 2018, 2018, 1-3.	3.0	61
8	The Use of Infrapatellar Fat Pad-Derived Mesenchymal Stem Cells in Articular Cartilage Regeneration: A Review. International Journal of Molecular Sciences, 2021, 22, 9215.	4.1	56
9	The Role of Bioreactors in Cartilage Tissue Engineering. Current Stem Cell Research and Therapy, 2012, 7, 287-292.	1.3	52
10	Effect of age and gender on cell proliferation and cell surface characterization of synovial fat pad derived mesenchymal stem cells. Journal of Orthopaedic Research, 2012, 30, 1013-1018.	2.3	47
11	Evaluation of Biological Protein-Based Collagen Scaffolds in Cartilage and Musculoskeletal Tissue Engineering- A Systematic Review of the Literature. Current Stem Cell Research and Therapy, 2012, 7, 302-309.	1.3	46
12	A Systematic Review of the Reverse Shoulder Replacement in Rotator Cuff Arthropathy, Rotator Cuff Tears, and Rheumatoid Arthritis. Sports Medicine and Arthroscopy Review, 2011, 19, 366-379.	2.3	44
13	Synovium-Derived Mesenchymal Stem Cell Transplantation in Cartilage Regeneration: A PRISMA Review of in vivo Studies. Frontiers in Bioengineering and Biotechnology, 2019, 7, 314.	4.1	44
14	Current Concepts in Acute Knee Dislocation: The Missed Diagnosis?. The Open Orthopaedics Journal, 2014, 8, 162-167.	0.2	42
15	The Evidence-Based Principles of Negative Pressure Wound Therapy in Trauma & Orthopedics. The Open Orthopaedics Journal, 2014, 8, 168-177.	0.2	42
16	The effects of TNF-alpha inhibition on cartilage: a systematic review of preclinical studies. Osteoarthritis and Cartilage, 2020, 28, 708-718.	1.3	41
17	A Systematic Review And Meta-Analysis of Clinical Trials of Mesenchymal Stem Cell Therapy for Cartilage Repair. Current Stem Cell Research and Therapy, 2018, 13, 215-225.	1.3	41
18	Patellar complications following total knee arthroplasty: a review of the current literature. European Journal of Orthopaedic Surgery and Traumatology, 2019, 29, 1605-1615.	1.4	39

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19	Radiological Imaging Evaluation of the Failing Total Hip Replacement. Frontiers in Surgery, 2019, 6, 35.	1.4	37
20	Stem Cells From Umbilical Cord and Placenta for Musculoskeletal Tissue Engineering. Current Stem Cell Research and Therapy, 2012, 7, 272-281.	1.3	36
21	Tendon healing in presence of chronic low-level inflammation: a systematic review. British Medical Bulletin, 2019, 132, 97-116.	6.9	35
22	Cost effectiveness analyses of total hip arthroplasty for hip osteoarthritis: A PRISMA systematic review. International Journal of Clinical Practice, 2021, 75, e13806.	1.7	34
23	Autologous Chondrocyte Implantation and Mesenchymal Stem Cells for the Treatments of Chondral Defects of the Knee- A Systematic Review. Current Stem Cell Research and Therapy, 2020, 15, 547-556.	1.3	33
24	Negative Pressure Wound Therapy â€“ A Review of its Uses in Orthopaedic Trauma. The Open Orthopaedics Journal, 2014, 8, 142-147.	0.2	32
25	Acetic Acid as Part of a Debridement Protocol During Revision Total Knee Arthroplasty. Journal of Arthroplasty, 2017, 32, 953-957.	3.1	31
26	Biomaterials and Scaffolds in Bone and Musculoskeletal Engineering. Current Stem Cell Research and Therapy, 2013, 8, 185-191.	1.3	31
27	Limb reconstruction after traumatic bone loss. Injury, 2017, 48, 206-213.	1.7	30
28	Meta-Analysis of Adipose Tissue Derived Cell-Based Therapy for the Treatment of Knee Osteoarthritis. Cells, 2021, 10, 1365.	4.1	30
29	Mesenchymal stem cell therapy in hypertrophic and keloid scars. Cell and Tissue Research, 2021, 383, 915-930.	2.9	29
30	Bioactive Glass: Methods for Assessing Angiogenesis and Osteogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 643781.	3.7	28
31	A Systematic Review of Clinical Studies Investigating Mesenchymal Stem Cells for Fracture Non-Union and Bone Defects. Current Stem Cell Research and Therapy, 2018, 13, 284-291.	1.3	27
32	The role of the immune system in tendon healing: a systematic review. British Medical Bulletin, 2020, 133, 49-64.	6.9	26
33	Cell-Free Scaffolds as a Monotherapy for Focal Chondral Knee Defects. Materials, 2020, 13, 306.	2.9	26
34	Bite Injuries to the Hand - Review of the Literature. The Open Orthopaedics Journal, 2014, 8, 204-208.	0.2	26
35	Mesenchymal Stem Cell-Derived Extracellular Vesicles in Tendon and Ligament Repairâ€”A Systematic Review of In Vivo Studies. Cells, 2021, 10, 2553.	4.1	25
36	Amniotic Membrane Transplant for Articular Cartilage Repair: An Experimental Study in Sheep. Current Stem Cell Research and Therapy, 2014, 10, 77-83.	1.3	24

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37	Single-Stage Revision Surgery in Infected Total Knee Arthroplasty: A PRISMA Systematic Review. Journal of Clinical Medicine, 2019, 8, 174.	2.4	23
38	The Effects of Ageing on Proliferation Potential, Differentiation Potential and Cell Surface Characterisation of Human Mesenchymal Stem Cells. Current Stem Cell Research and Therapy, 2012, 7, 282-286.	1.3	22
39	Mesenchymal stem cells in human meniscal regeneration: A systematic review. Annals of Medicine and Surgery, 2017, 24, 3-7.	1.1	22
40	A Systematic Review of Mesenchymal Stem Cells in Spinal Cord Injury, Intervertebral Disc Repair and Spinal Fusion. Current Stem Cell Research and Therapy, 2018, 13, 316-323.	1.3	22
41	Tissue Engineering in Achilles Tendon Reconstruction; The Role of Stem Cells, Growth Factors and Scaffolds. Current Stem Cell Research and Therapy, 2017, 12, 506-512.	1.3	22
42	Total Hip Arthroplasty in Systemic Lupus Erythematosus: A Systematic Review. International Journal of Rheumatology, 2015, 2015, 1-8.	1.6	21
43	The Role of 3D Modelling and Printing in Orthopaedic Tissue Engineering: A Review of the Current Literature. Current Stem Cell Research and Therapy, 2017, 12, 225-232.	1.3	21
44	The Effects of Ageing on Differentiation and Characterisation of Human Mesenchymal Stem Cells. Current Stem Cell Research and Therapy, 2018, 13, 378-383.	1.3	20
45	Human umbilical cord derived mesenchymal stem cells in peripheral nerve regeneration. World Journal of Stem Cells, 2020, 12, 288-302.	2.8	20
46	Tendon healing is adversely affected by low-grade inflammation. Journal of Orthopaedic Surgery and Research, 2021, 16, 700.	2.3	20
47	The Ortho-Plastic Approach to Soft Tissue Management in Trauma. The Open Orthopaedics Journal, 2014, 8, 399-408.	0.2	19
48	The biplanar open wedge high tibial osteotomy preserving the tibial tubercle. Journal of Orthopaedic Science, 2016, 21, 786-790.	1.1	19
49	Biomaterials and Fabrication to Optimise Scaffold Properties for Musculoskeletal Tissue Engineering. Current Stem Cell Research and Therapy, 2016, 11, 578-584.	1.3	17
50	Mammalian Bite Injuries to the Hand and Their Management. The Open Orthopaedics Journal, 2014, 8, 194-198.	0.2	17
51	Potential of Adipose Derived Stem Cells in Orthopaedic Surgery. Current Stem Cell Research and Therapy, 2013, 8, 418-421.	1.3	16
52	The Treatment of Cartilage Damage Using Human Mesenchymal Stem Cell-Derived Extracellular Vesicles: A Systematic Review of in vivo Studies. Frontiers in Bioengineering and Biotechnology, 2020, 8, 580.	4.1	15
53	Threeâ€Dimensional Surfaceâ€Based Analysis of Cartilage MRI Data in Knee Osteoarthritis: Validation and Initial Clinical Application. Journal of Magnetic Resonance Imaging, 2020, 52, 1139-1151.	3.4	15
54	Mesenchymal stem cells, sources of cells and differentiation potential. Journal of Stem Cells, 2012, 7, 75-85.	1.0	15

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55	Bone Marrow Derived Stem Cells in Trauma and Orthopaedics: A Review of the Current Trend. Current Stem Cell Research and Therapy, 2014, 10, 37-42.	1.3	14
56	The Use of Growth Factors and Mesenchymal Stem Cells in Orthopaedics: In particular, their use in Fractures and Non-Unions: A Systematic Review. Current Stem Cell Research and Therapy, 2017, 12, 312-325.	1.3	14
57	The Use of Autologous Chondrocyte and Mesenchymal Stem Cell Implants for the Treatment of Focal Chondral Defects in Human Knee Jointsâ€"A Systematic Review and Meta-Analysis. International Journal of Molecular Sciences, 2022, 23, 4065.	4.1	14
58	Adipose Tissue-Derived Mesenchymal Stem Cells as a Potential Restorative Treatment for Cartilage Defects: A PRISMA Review and Meta-Analysis. Pharmaceuticals, 2021, 14, 1280.	3.8	14
59	Bite Injuries to the Hand: Microbiology, Virology and Management. The Open Orthopaedics Journal, 2014, 8, 157-161.	0.2	13
60	Mechanical Stimulation Protocols of Human Derived Cells in Articular Cartilage Tissue Engineering â€" A Systematic Review. Current Stem Cell Research and Therapy, 2017, 12, 260-270.	1.3	13
61	Chronological Age Affects MSC Senescence In Vitroâ€"A Systematic Review. International Journal of Molecular Sciences, 2021, 22, 7945.	4.1	12
62	Use of human induced pluripotent stem cells for cartilage regeneration in vitro and within chondral defect models of knee joint cartilage in vivo: a Preferred Reporting Items for Systematic Reviews and Meta-Analyses systematic literature review. Cytotherapy, 2021, 23, 647-661.	0.7	12
63	An Insight into Methods and Practices in Hip Arthroplasty in Patients with Rheumatoid Arthritis. International Journal of Rheumatology, 2015, 2015, 1-6.	1.6	11
64	The Role of Bioreactors in Ligament and Tendon Tissue Engineering. Current Stem Cell Research and Therapy, 2016, 11, 35-40.	1.3	11
65	Modelling the cost-effectiveness of total knee arthroplasty: A systematic review. Journal of Orthopaedics, 2020, 22, 485-492.	1.3	11
66	Tibial Crest Osteotomy in Extensile Knee Exposureâ€"A Modified, Low-Energy, Suture Technique. Journal of Arthroplasty, 2016, 31, 383-388.	3.1	10
67	The Use of Electrospun Scaffolds in Musculoskeletal Tissue Engineering: A Focus on Tendon and the Rotator Cuff. Current Stem Cell Research and Therapy, 2018, 13, 619-631.	1.3	10
68	New drug, new problem: do hip fracture patients taking NOACs experience delayed surgery, longer hospital stay, or poorer outcomes?. HIP International, 2020, 30, 799-804.	1.7	10
69	Developments in Antibiotic-Eluting Scaffolds for the Treatment of Osteomyelitis. Applied Sciences (Switzerland), 2020, 10, 2244.	2.5	10
70	The Role of Wrist Fusion and Wrist Arthroplasty in Rheumatoid Arthritis. Current Rheumatology Reviews, 2017, 13, 23-28.	0.8	10
71	Orthopaedic Approaches to Proximal Humeral Fractures Following Trauma. The Open Orthopaedics Journal, 2014, 8, 437-441.	0.2	10
72	Autologous adipose tissue grafting for the management of the painful scar. Cytotherapy, 2019, 21, 1151-1160.	0.7	9

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73	The Effectiveness of Anti-Nerve Growth Factor Monoclonal Antibodies in the Management of Pain in Osteoarthritis of the Hip and Knee: A PRISMA Systematic Review and Meta-Analysis. Pain Medicine, 2021, 22, 1185-1204.	1.9	9
74	The association between alcohol consumption and osteoarthritis: a meta-analysis and meta-regression of observational studies. Rheumatology International, 2021, 41, 1577-1591.	3.0	9
75	Bilateral Simultaneous Total Knee Arthroplasty: A Patient-Matched Retrospective Observational Study. The Open Orthopaedics Journal, 2015, 9, 499-503.	0.2	9
76	Are the Biological and Biomechanical Properties of Meniscal Scaffolds Reflected in Clinical Practice? A Systematic Review of the Literature. International Journal of Molecular Sciences, 2019, 20, 632.	4.1	8
77	Obesity does not adversely impact the outcome of unicompartmental knee arthroplasty for osteoarthritis: a meta-analysis of 80,798 subjects. International Journal of Obesity, 2021, 45, 715-724.	3.4	8
78	Use of bone marrow derived stem cells in trauma and orthopaedics: A review of current concepts. World Journal of Orthopedics, 2015, 6, 462.	1.8	8
79	Principles and guidelines in the management of ankle fractures in adults. Journal of Perioperative Practice, 2021, 31, 427-434.	0.5	7
80	Current Strategies of Tissue Engineering in Talus Chondral Defects. Current Stem Cell Research and Therapy, 2013, 8, 217-221.	1.3	7
81	Clinical Studies Using Biological and Synthetic Materials for Meniscus Replacement. Current Stem Cell Research and Therapy, 2017, 12, 348-353.	1.3	7
82	Coronal Knee Alignment 40 Years after Total Meniscectomy in Adolescents: A Prospective Cohort Study. The Open Orthopaedics Journal, 2017, 11, 424-431.	0.2	7
83	Biomaterials and Fabrication to Optimise Scaffold Properties for Musculoskeletal Tissue Engineering. Current Stem Cell Research and Therapy, 2016, 11, 578-84.	1.3	7
84	Common Fractures and Injuries of the Ankle and Foot: Functional Anatomy, Imaging, Classification and Management. Journal of Perioperative Practice, 2010, 20, 249-258.	0.5	6
85	Assessment of Range of Movement, Pain and Disability Following a Whiplash Injury. The Open Orthopaedics Journal, 2017, 11, 541-545.	0.2	6
86	Evaluating the Effect of Non-cellular Bioactive Glass-Containing Scaffolds on Osteogenesis and Angiogenesis in in vivo Animal Bone Defect Models. Frontiers in Bioengineering and Biotechnology, 2020, 8, 430.	4.1	6
87	Insights into patient preferences for elective surgery during the COVID-19 pandemic. Bone & Joint Open, 2021, 2, 261-270.	2.6	6
88	Cryopreservation of Human Adipose Tissues and Adipose-Derived Stem Cells with DMSO and/or Trehalose: A Systematic Review. Cells, 2021, 10, 1837.	4.1	6
89	Infrapatellar fat pad adipose-derived stem cells co-cultured with articular chondrocytes from osteoarthritis patients exhibit increased chondrogenic gene expression. Cell Communication and Signaling, 2022, 20, 17.	6.5	6
90	Immunomonitoring of Monocyte and Neutrophil Function in Critically Ill Patients: From Sepsis and/or Trauma to COVID-19. Journal of Clinical Medicine, 2021, 10, 5815.	2.4	6

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91	Editorial [Stem Cell Applications and Tissue Engineering Approaches in Orthopaedic Surgery and Musculoskeletal Medicine (Guest Editor: Wasim S. Khan)]. Current Stem Cell Research and Therapy, 2012, 7, 92-94.	1.3	5
92	Analysing the outcome of surgery for chronic Achilles tendinopathy over the last 50 years. World Journal of Orthopedics, 2015, 6, 491.	1.8	5
93	Complications Encountered with Total Hip Arthroplasty in Rheumatoid Patients. Current Rheumatology Reviews, 2015, 11, 59-63.	0.8	5
94	The Influence of Ageing and Gender in Musculoskeletal Stem Cell. Current Stem Cell Research and Therapy, 2018, 13, 432-437.	1.3	5
95	State of the Art Regarding the Management of Multiligamentous Injuries of the Knee. The Open Orthopaedics Journal, 2014, 8, 215-218.	0.2	5
96	A Novel Minimally Invasive Technique for Treatment of Unicameral Bone Cysts. The Open Orthopaedics Journal, 2015, 9, 475-479.	0.2	5
97	Fixation of Olecranon Fractures and Osteotomies Using Compression Screws: A simple Solution to a Common Problem. A Study of Cases. Ortopedia Traumatologia Rehabilitacja, 2013, 15, 341-346.	0.3	5
98	Knee Ligament Injury and the Clinical Application of Tissue Engineering Techniques: A Systematic Review. Current Stem Cell Research and Therapy, 2018, 13, 226-234.	1.3	5
99	The Peri-operative Management of the Rheumatoid Patient Undergoing Total Knee Arthroplasty: A Review of Literature. Current Rheumatology Reviews, 2015, 11, 34-38.	0.8	4
100	Important perioperative factors, guidelines and outcomes in the management of hip fracture. Journal of Perioperative Practice, 2021, 31, 140-146.	0.5	4
101	The characterisation of mesenchymal stem cells: a stem cell is not a stem cell is not a stem cell. Journal of Stem Cells, 2012, 7, 87-95.	1.0	4
102	Cartilage tissue engineering approaches applicable in orthopaedic surgery: the past, the present, and the future. Journal of Stem Cells, 2012, 7, 97-104.	1.0	4
103	The effects of knee meniscectomy on the development of osteoarthritis in the patellofemoral joint 40Âyears following meniscectomy. European Journal of Orthopaedic Surgery and Traumatology, 2019, 29, 1705-1708.	1.4	3
104	Management of von Willebrand disease in patients undergoing total hip and knee arthroplasty. Journal of Perioperative Practice, 2019, 29, 266-269.	0.5	3
105	Management of latex hypersensitivity in the perioperative setting. Journal of Perioperative Practice, 2020, 30, 199-203.	0.5	3
106	An overview of the key principles and guidelines in the management of pelvic fractures. Journal of Perioperative Practice, 2020, 31, 175045892094735.	0.5	3
107	Understanding cost-utility analysis studies in the trauma and orthopaedic surgery literature. EFORT Open Reviews, 2021, 6, 305-315.	4.1	3
108	Patients Presenting with a Hot, Swollen Joint: A Single-Centre Retrospective Analysis. Current Rheumatology Reviews, 2020, 16, 38-42.	0.8	3

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109	Foreword: stem cell applications and tissue engineering approaches in sports medicine- from bench to bedside. Journal of Stem Cells, 2010, 5, 149-54.	1.0	3
110	Current cell-based strategies for knee cartilage injuries. Journal of Stem Cells, 2010, 5, 177-85.	1.0	3
111	Perioperative management of patients with rheumatoid arthritis undergoing orthopaedic surgery. Journal of Perioperative Practice, 2020, 30, 265-270.	0.5	2
112	A meta-analysis of clinical and radiological outcomes in simultaneous bilateral unicompartmental knee arthroplasty. Journal of Orthopaedics, 2021, 23, 128-137.	1.3	2
113	The Development and Future of Reconstructive and Microvascular Surgery of the Hand. The Open Orthopaedics Journal, 2014, 8, 415-422.	0.2	2
114	A Modified Technique of Using the S-Quattro External Finger Fixation System- A Case Report. Ortopedia Traumatologia Rehabilitacja, 2011, 13, 399-402.	0.3	2
115	Perioperative Considerations in Rheumatoid Arthritis Patients. Current Rheumatology Reviews, 2016, 12, 185-189.	0.8	2
116	Perioperative Considerations in Rheumatoid Arthritis Patients. Current Rheumatology Reviews, 2016, 12, 185-189.	0.8	2
117	Non-steroidal Anti-inflammatory Drugs in Orthopaedic and Perioperative Practice. Journal of Perioperative Practice, 2009, 19, 287-290.	0.5	1
118	Perioperative management of renal transplant patients undergoing total joint arthroplasty. Journal of Perioperative Practice, 2019, 29, 270-275.	0.5	1
119	Effectiveness and safety of tranexamic acid in total joint arthroplasty. Journal of Perioperative Practice, 2019, 29, 356-360.	0.5	1
120	Knee Osteochondritis Dissecans Treated by the AO Hook Fixation System: A Four Year Follow-Up of an Alternative Technique. The Open Orthopaedics Journal, 2014, 8, 209-214.	0.2	1
121	Tissue Engineering in Achilles Tendon Reconstruction: A Systematic Review of Preclincal Studies. Current Stem Cell Research and Therapy, 2018, 13, 682-690.	1.3	1
122	Designing a 'neotissue' using the principles of biology, chemistry and engineering. Journal of Stem Cells, 2012, 7, 113-9.	1.0	1
123	Association of fracture configuration and callus formation with a concentration of proinflammatory cytokines in children with long bone fractures. Vojnosanitetski Pregled, 2021, 78, 397-402.	0.2	0
124	P108â€ƒAnti-nerve growth factor (anti-NGF) antibodies as analgesia in the management of osteoarthritis. Rheumatology, 2021, 60, .	1.9	0
125	Editorial: Controversies in the Management of Soft Tissue Injuries. The Open Orthopaedics Journal, 2014, 8, 140-141.	0.2	0
126	Unanswered questions in musculoskeletal tissue engineering. Journal of Stem Cells, 2012, 7, 73-4.	1.0	0