F Cumhur Oner

List of Publications by Year
in descending order

99 papers	3,441 citations	172457 29 h-index	155660 55 g-index
99 all docs	99 docs citations	99 times ranked	4408 citing authors

#	Article	IF	Citations
1	AOSpine subaxial cervical spine injury classification system. European Spine Journal, 2016, 25, 2173-2184.	2.2	288
2	3D bioprinting of methacrylated hyaluronic acid (MeHA) hydrogel with intrinsic osteogenicity. PLoS ONE, 2017, 12, e0177628.	2.5	262
3	Organ printing: the future of bone regeneration?. Trends in Biotechnology, 2011, 29, 601-606.	9.3	195
4	Prolonged presence of VEGF promotes vascularization in 3D bioprinted scaffolds with defined architecture. Journal of Controlled Release, 2014, 184, 58-66.	9.9	189
5	Proinflammatory T cells and IL-17 stimulate osteoblast differentiation. Bone, 2016, 84, 262-270.	2.9	147
6	Polyetheretherketone (PEEK) cages in cervical applications: a systematic review. Spine Journal, 2015, 15, 1446-1460.	1.3	136
7	Balloon Vertebroplasty in Combination With Pedicle Screw Instrumentation. Spine, 2005, 30, E73-E79.	2.0	133
8	Recurrent kyphosis after posterior stabilization of thoracolumbar fractures: 24 cases treated with a Dick internal fixator followed for 1.5-4 years. Acta Orthopaedica, 1995, 66, 406-410.	1.4	82
9	Analysis of ectopic and orthotopic bone formation in cell-based tissue-engineered constructs in goats. Biomaterials, 2007, 28, 1798-1805.	11.4	79
10	Proinflammatory Mediators Enhance the Osteogenesis of Human Mesenchymal Stem Cells after Lineage Commitment. PLoS ONE, 2015, 10, e0132781.	2.5	76
11	Therapeutic Decision Making in Thoracolumbar Spine Trauma. Spine, 2010, 35, S235-S244.	2.0	69
12	AOSpineâ€"Spine Trauma Classification System: The Value of Modifiers: A Narrative Review With Commentary on Evolving Descriptive Principles. Global Spine Journal, 2019, 9, 77S-88S.	2.3	66
13	Spinal instability as defined by the spinal instability neoplastic score is associated with radiotherapy failure in metastatic spinal disease. Spine Journal, 2014, 14, 2835-2840.	1.3	64
14	Cement Augmentation Techniques in Traumatic Thoracolumbar Spine Fractures. Spine, 2006, 31, S89-S95.	2.0	61
15	Single or double-level anterior interbody fusion techniques for cervical degenerative disc disease. The Cochrane Library, 2011, , CD004958.	2.8	59
16	The Effect of Introducing the Spinal Instability Neoplastic Score in Routine Clinical Practice for Patients With Spinal Metastases. Oncologist, 2016, 21, 95-101.	3.7	59
17	Characteristics of Patients Who Survived < 3 Months or > 2 Years After Surgery for Spinal Metastases: Can We Avoid Inappropriate Patient Selection?. Journal of Clinical Oncology, 2016, 34, 3054-3061.	1.6	58
18	Anterior spinal column augmentation with injectable bone cements. Biomaterials, 2006, 27, 290-301.	11.4	56

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19	Cellular immunotherapy on primary multiple myeloma expanded in a 3D bone marrow niche model. OncoImmunology, 2018, 7, e1434465.	4.6	54
20	Early Surgical Decompression Improves Neurological Outcome after Complete Traumatic Cervical Spinal Cord Injury: A Meta-Analysis. Journal of Neurotrauma, 2019, 36, 835-844.	3.4	54
21	Current treatment and outcomes of traumatic sternal fracturesâ€”a systematic review. International Orthopaedics, 2019, 43, 1455-1464.	1.9	51
22	Intervertebral disc viability after burst fractures of the thoracic and lumbar spine treated with pedicle screw fixation and direct end-plate restoration. Spine Journal, 2013, 13, 217-221.	1.3	43
23	A novel injectable thermoresponsive and cytocompatible gel of poly(N-isopropylacrylamide) with layered double hydroxides facilitates siRNA delivery into chondrocytes in 3D culture. Acta Biomaterialia, 2015, 23, 214-228.	8.3	42
24	Measurement of kyphosis and vertebral body height loss in traumatic spine fractures: an international study. European Spine Journal, 2017, 26, 1483-1491.	2.2	38
25	OP-1 Compared with Iliac Crest Autograft in Instrumented Posterolateral Fusion. Journal of Bone and Joint Surgery - Series A, 2016, 98, 441-448.	3.0	37
26	Description and Reliability of the AOSpine Sacral Classification System. Journal of Bone and Joint Surgery - Series A, 2020, 102, 1454-1463.	3.0	36
27	Complications After Percutaneous Pedicle Screw Fixation for the Treatment of Unstable Spinal Metastases. Annals of Surgical Oncology, 2016, 23, 2343-2349.	1.5	35
28	Simultaneous occurrence of ankylosing spondylitis and diffuse idiopathic skeletal hyperostosis: a systematic review. Rheumatology, 2018, 57, 2120-2128.	1.9	32
29	Potential Conflicts of Interest of Editorial Board Members from Five Leading Spine Journals. PLoS ONE, 2015, 10, e0127362.	2.5	32
30	Less invasive anterior column reconstruction in thoracolumbar fractures. Injury, 2005, 36, S82-S89.	1.7	31
31	Endosteal and Perivascular Subniches in a 3D Bone Marrow Model for Multiple Myeloma. Tissue Engineering - Part C: Methods, 2018, 24, 300-312.	2.1	29
32	Impact of Early (<24â€‰h) Surgical Decompression on Neurological Recovery in Thoracic Spinal Cord Injury: A Meta-Analysis. Journal of Neurotrauma, 2019, 36, 2609-2617.	3.4	29
33	A Human Hematopoietic Niche Model Supporting Hematopoietic Stem and Progenitor Cells In Vitro. Advanced Healthcare Materials, 2019, 8, e1801444.	7.6	29
34	Intrawound Treatment for Prevention of Surgical Site Infections in Instrumented Spinal Surgery: A Systematic Comparative Effectiveness Review and Meta-Analysis. Global Spine Journal, 2019, 9, 219-230.	2.3	29
35	The Natural Course of Diffuse Idiopathic Skeletal Hyperostosis in the Thoracic Spine of Adult Males. Journal of Rheumatology, 2018, 45, 1116-1123.	2.0	27
36	The efficacy of intrawound vancomycin powder and povidone-iodine irrigation to prevent surgical site infections in complex instrumented spine surgery. Spine Journal, 2019, 19, 1648-1656.	1.3	27

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37	Prospective Evaluation of the Relationship Between Mechanical Stability and Response to Palliative Radiotherapy for Symptomatic Spinal Metastases. Oncologist, 2017, 22, 972-978.	3.7	26
38	Criteria for Early-Phase Diffuse Idiopathic Skeletal Hyperostosis: Development and Validation. Radiology, 2019, 291, 420-426.	7.3	26
39	Morphological characteristics of diffuse idiopathic skeletal hyperostosis in the cervical spine. PLoS ONE, 2017, 12, e0188414.	2.5	25
40	Establishing the Injury Severity of Subaxial Cervical Spine Trauma. Spine, 2021, 46, 649-657.	2.0	25
41	Clinical and radiological results 6 years after treatment of traumatic thoracolumbar burst fractures with pedicle screw instrumentation and balloon assisted endplate reduction. Spine Journal, 2015, 15, 1172-1178.	1.3	24
42	Comparison of polyetheretherketone versus silicon nitride intervertebral spinal spacers in a caprine model. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 688-699.	3.4	23
43	Toward the Development of a Universal Outcome Instrument for Spine Trauma. Spine, 2016, 41, 358-367.	2.0	21
44	Complete Traumatic Spinal Cord Injury: Current Insights Regarding Timing of Surgery and Level of Injury. Global Spine Journal, 2020, 10, 324-331.	2.3	21
45	Focal adhesion signaling affects regeneration by human nucleus pulposus cells in collagen- but not carbohydrate-based hydrogels. Acta Biomaterialia, 2018, 66, 238-247.	8.3	20
46	Cell type and transfection reagent-dependent effects on viability, cell content, cell cycle and inflammation of RNAi in human primary mesenchymal cells. European Journal of Pharmaceutical Sciences, 2014, 53, 35-44.	4.0	19
47	Bone mineral density changes over time in diffuse idiopathic skeletal hyperostosis of the thoracic spine. Bone, 2018, 112, 90-96.	2.9	19
48	Ethical implications of regenerative medicine in orthopedics: an empirical study with surgeons and scientists in the field. Spine Journal, 2014, 14, 1029-1035.	1.3	18
49	The odyssey of sagittal pelvic morphology during human evolution: a perspective on different Hominoidae. Spine Journal, 2017, 17, 1202-1206.	1.3	18
50	Inflammation-Induced Osteogenesis in a Rabbit Tibia Model. Tissue Engineering - Part C: Methods, 2017, 23, 673-685.	2.1	17
51	Subjects with diffuse idiopathic skeletal hyperostosis have an increased burden of coronary artery disease: An evaluation in the COPDGene cohort. Atherosclerosis, 2019, 287, 24-29.	0.8	17
52	Efficacy of a Standalone Microporous Ceramic Versus Autograft in Instrumented Posterolateral Spinal Fusion. Spine, 2020, 45, 944-951.	2.0	17
53	Can a Thoracolumbar Injury Severity Score be Uniformly Applied from T1 to L5 or Are Modifications Necessary?. Global Spine Journal, 2015, 5, 339-345.	2.3	16
54	Histological characteristics of diffuse idiopathic skeletal hyperostosis. Journal of Orthopaedic Research, 2017, 35, 140-146.	2.3	16

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55	Comparing Hydrogels for Human Nucleus Pulposus Regeneration: Role of Osmolarity During Expansion. Tissue Engineering - Part C: Methods, 2018, 24, 222-232.	2.1	16
56	Routine incorporation of longer-term patient-reported outcomes into a Dutch trauma registry. Quality of Life Research, 2019, 28, 2731-2739.	3.1	16
57	Liposomal drug delivery in an in vitro 3D bone marrow model for multiple myeloma. International Journal of Nanomedicine, 2018, Volume 13, 8105-8118.	6.7	14
58	Development of the AOSpine Patient Reported Outcome Spine Trauma (AOSpine PROST): a universal disease-specific outcome instrument for individuals with traumatic spinal column injury. European Spine Journal, 2017, 26, 1550-1557.	2.2	13
59	Delayed presentation to a spine surgeon is the strongest predictor of poor postoperative outcome in patients surgically treated for symptomatic spinal metastases. Spine Journal, 2019, 19, 1540-1547.	1.3	13
60	Time to Surgical Treatment for Metastatic Spinal Disease: Identification of Delay Intervals. Global Spine Journal, 2023, 13, 316-323.	2.3	13
61	Update on Upper Cervical Injury Classifications. Clinical Spine Surgery, 2022, 35, 249-255.	1.3	13
62	The role of emergency medical service providers in the decision-making process of prehospital trauma triage. European Journal of Trauma and Emergency Surgery, 2020, 46, 131-146.	1.7	12
63	The importance of timely treatment for quality of life and survival in patients with symptomatic spinal metastases. European Spine Journal, 2020, 29, 3170-3178.	2.2	12
64	Bone Morphogenetic Proteins for Nucleus Pulposus Regeneration. International Journal of Molecular Sciences, 2020, 21, 2720.	4.1	12
65	Towards the Development of an Outcome Instrument for Spinal Trauma. Spine, 2015, 40, E91-E96.	2.0	11
66	Influence of severity and level of injury on the occurrence of complications during the subacute and chronic stage of traumatic spinal cord injury: a systematic review. Journal of Neurosurgery: Spine, 2022, 36, 632-652.	1.7	11
67	Establishment of an Early Vascular Network Promotes the Formation of Ectopic Bone. Tissue Engineering - Part A, 2016, 22, 253-262.	3.1	10
68	Surgeon Reported Outcome Measure for Spine Trauma. Spine, 2016, 41, E1453-E1459.	2.0	9
69	Unravelling the knee-hip-spine trilemma from the CHECK study. Bone and Joint Journal, 2020, 102-B, 1261-1267.	4.4	9
70	Increasing Fusion Rate Between 1 and 2 Years After Instrumented Posterolateral Spinal Fusion and the Role of Bone Grafting. Spine, 2020, 45, 1403-1410.	2.0	9
71	Use of Therapeutic Pathogen Recognition Receptor Ligands for Osteo-Immunomodulation. Materials, 2021, 14, 1119.	2.9	9
72	No Effects of Hyperosmolar Culture Medium on Tissue Regeneration by Human Degenerated Nucleus Pulposus Cells Despite Upregulation Extracellular Matrix Genes. Spine, 2018, 43, 307-315.	2.0	8

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73	Reliability, validity and responsiveness of the Dutch version of the AOSpine PROST (Patient Reported) Tj ETQq1 1 0.784314 rgBT /Ove	2.2	8
74	Reliability and Validity of the English Version of the AOSpine PROST (Patient Reported Outcome Spine) Tj ETQq0 0 0 rgBT /Overlock 10	2.0	8
75	Study methodology in trauma care: towards question-based study designs. European Journal of Trauma and Emergency Surgery, 2021, 47, 479-484.	1.7	8
76	Toward Developing a Specific Outcome Instrument for Spine Trauma. Spine, 2015, 40, 1371-1379.	2.0	7
77	Universal disease-specific outcome instruments for spine trauma: a global perspective on relevant parameters to evaluate clinical and functional outcomes of thoracic and lumbar spine trauma patients. European Spine Journal, 2017, 26, 1541-1549.	2.2	7
78	Anterior longitudinal ligament in diffuse idiopathic skeletal hyperostosis: Ossified or displaced?. Journal of Orthopaedic Research, 2018, 36, 2491-2496.	2.3	7
79	The Subaxial Cervical AO Spine Injury Score. Global Spine Journal, 2022, 12, 1066-1073.	2.3	7
80	The Current Status of Spinal Posttraumatic Deformity: A Systematic Review. Global Spine Journal, 2021, 11, 1266-1280.	2.3	7
81	Clinical, radiological, and patient-reported outcomes 13Âyears after pedicle screw fixation with balloon-assisted endplate reduction and cement injection. European Spine Journal, 2020, 29, 914-921.	2.2	7
82	The selection of core International Classification of Functioning, Disability, and Health (ICF) categories for patient-reported outcome measurement in spine trauma patientsâ€"results of an international consensus process. Spine Journal, 2016, 16, 962-970.	1.3	6
83	Patients Cannot Reliably Distinguish the Iliac Crest Bone Graft Donor Site From the Contralateral Side After Lumbar Spine Fusion. Spine, 2019, 44, 527-533.	2.0	6
84	The Influence of Surgeon Experience and Subspeciality on the Reliability of the AO Spine Sacral Classification System. Spine, 2021, 46, 1705-1713.	2.0	6
85	Malnutrition in patients who underwent surgery for spinal metastases. Annals of Translational Medicine, 2019, 7, 213-213.	1.7	6
86	Possibilities and limitations of an in vitro three-dimensional bone marrow model for the prediction of clinical responses in patients with relapsed multiple myeloma. Haematologica, 2019, 104, e523-e526.	3.5	5
87	Current treatment and outcomes of traumatic sternovertebral fractures: a systematic review. European Journal of Trauma and Emergency Surgery, 2021, 47, 991-1001.	1.7	5
88	No Need for Sternal Fixation in Traumatic Sternovertebral Fractures: Outcomes of a 10-Year Retrospective Cohort Study. Global Spine Journal, 2021, 11, 283-291.	2.3	5
89	The role of 3-D rotational x-ray imaging in spinal trauma. Injury, 2005, 36, S98-S103.	1.7	4
90	Osteoinduction byEx VivoNonviral Bone Morphogenetic Protein Gene Delivery Is Independent of Cell Type. Tissue Engineering - Part A, 2018, 24, 1423-1431.	3.1	4

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91	Challenging the medico-industrial-administrative complex. Spine Journal, 2011, 11, 698-699.	1.3	3
92	Validation of the AO Spine Sacral Classification System: Reliability Among Surgeons Worldwide. Journal of Orthopaedic Trauma, 2021, 35, e496-e501.	1.4	3
93	Variations in management of A3 and A4 cervical spine fractures as designated by the AO Spine Subaxial Injury Classification System. Journal of Neurosurgery: Spine, 2022, 36, 99-112.	1.7	3
94	AOSpine Knowledge Forums: Research in Motion. Global Spine Journal, 2019, 9, 5S-7S.	2.3	2
95	Development and reliability of the AOSpine CROST (Clinician Reported Outcome Spine Trauma): a tool to evaluate and predict outcomes from clinicianâ€™s perspective. European Spine Journal, 2020, 29, 2550-2559.	2.2	2
96	Variation in global treatment for subaxial cervical spine isolated unilateral facet fractures. European Spine Journal, 2021, 30, 1635-1650.	2.2	2
97	Methodological aspects of a randomized within-patient concurrent controlled design for clinical trials in spine surgery. Clinical Trials, 2022, , 174077452210847.	1.6	1
98	Letter to the editor regarding â€œTwo-year results of a double-blind multicenter randomized controlled non-inferiority trial of polyetheretherketone (PEEK) versus silicon nitride spinal fusion cages in patients with symptomatic degenerative lumbar disc disordersâ€• Journal of Spine Surgery, 2021, 7, 249-251.	1.2	0
99	Indications and experience with balloon kyphoplasty in trauma. , 2008, , 105-127.		0