

Shyamasunder Bhat N

List of Publications by Year in descending order

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51
papers

476
citations

687363

13
h-index

752698

20
g-index

53
all docs

53
docs citations

53
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated system for the detection of thoracolumbar fractures using a CNN architecture. Future Generation Computer Systems, 2018, 85, 184-189.	7.5	58
2	Static structural analysis of different stem designs used in total hip arthroplasty using finite element method. Heliyon, 2019, 5, e01767.	3.2	43
3	Neurological Deficit and Canal Compromise in Thoracolumbar and Lumbar Burst Fractures. Journal of Orthopaedic Surgery, 2008, 16, 20-23.	1.0	34
4	The effect of posterior instrumentation of the spine on canal dimensions and neurological recovery in thoracolumbar and lumbar burst fractures. Musculoskeletal Surgery, 2011, 95, 101-106.	1.5	30
5	Finite Element Analysis of Different Hip Implant Designs along with Femur under Static Loading Conditions. Journal of Biomedical Physics and Engineering, 2019, 9, 507-516.	0.9	24
6	Wear estimation of trapezoidal and circular shaped hip implants along with varying taper truncion radiuses using finite element method. Computer Methods and Programs in Biomedicine, 2020, 196, 105597.	4.7	23
7	Finite element analysis of hip implant with varying in taper neck lengths under static loading conditions. Computer Methods and Programs in Biomedicine, 2021, 208, 106273.	4.7	23
8	Patient-Specific Static Structural Analysis of Femur Bone of different lengths. Open Biomedical Engineering Journal, 2018, 12, 108-114.	0.5	19
9	Comparative Study of Femur Bone Having Different Boundary Conditions and Bone Structure Using Finite Element Method. Open Biomedical Engineering Journal, 2018, 12, 115-134.	0.5	18
10	Role of different orthopedic biomaterials on wear of hip joint prosthesis: A review. Materials Today: Proceedings, 2018, 5, 20827-20836.	1.8	17
11	Static structural analysis of the effect of change in femoral head sizes used in Total Hip Arthroplasty using finite element method. Cogent Engineering, 2022, 9, .	2.2	17
12	Cervical spinal cord injuries without radiographic evidence of trauma: a prospective study. Spinal Cord, 2013, 51, 815-818.	1.9	16
13	Optimized trapezoidal-shaped hip implant for total hip arthroplasty using finite element analysis. Cogent Engineering, 2020, 7, 1719575.	2.2	15
14	Biomechanics of hip joint: a systematic review. International Journal of Engineering and Technology(UAE), 2018, 7, 1672.	0.3	12
15	Effectiveness of deep cervical fascial manipulation and yoga postures on pain, function, and oculomotor control in patients with mechanical neck pain: study protocol of a pragmatic, parallel-group, randomized, controlled trial. Trials, 2021, 22, 574.	1.6	12
16	Morphometry of the lower thoracic and lumbar pedicles and its relevance in pedicle fixation. Musculoskeletal Surgery, 2018, 102, 299-305.	1.5	11
17	Seven additional families with spondylocarpotarsal synostosis syndrome with novel biallelic deleterious variants in <i>FLNB</i> . Clinical Genetics, 2018, 94, 159-164.	2.0	10
18	Primary tubercular psoas abscess: a rare presentation. Journal of Infection in Developing Countries, 2012, 6, 86-88.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Evolution of different designs and wear studies in total hip prosthesis using finite element analysis: A review. Cogent Engineering, 2022, 9, .	2.2	8
20	Minimally invasive plate osteosynthesis (MIPO) in AO/OTA type B displaced clavicle fractures. Musculoskeletal Surgery, 2019, 103, 191-197.	1.5	7
21	Endometriosis presenting like a psoas abscess. Journal of King Abdulaziz University, Islamic Economics, 2007, 28, 952-4.	1.1	7
22	Realistic C-arm to pCT registration for vertebral localization in spine surgery. Medical and Biological Engineering and Computing, 0, , .	2.8	6
23	Pedicle screw fixation in thoracolumbar and lumbar spine assisted by lateral fluoroscopic imaging: a study to evaluate the accuracy of screw placement. Musculoskeletal Surgery, 2018, 102, 47-55.	1.5	5
24	Outcome analysis of antibiotic-loaded poly methyl methacrylate (PMMA) beads in musculoskeletal infections. Journal of Taibah University Medical Sciences, 2021, 16, 177-183.	0.9	4
25	The anatomical myofascial continuum between the neck and eyes. Clinical Anatomy, 2022, , .	2.7	4
26	An analysis of clinicroadiological and histopathological correlation in tuberculosis of spine. Journal of the Indian Medical Association, 2011, 109, 161-5.	0.2	4
27	Clinical profile, diagnosis, treatment, and outcome of patients with tubercular versus nontubercular causes of spine involvement: A retrospective cohort study from India. International Journal of Mycobacteriology, 2022, 11, 75.	0.6	4
28	A Hybrid 3D-2D Image Registration Framework for Pedicle Screw Trajectory Registration between Intraoperative X-ray Image and Preoperative CT Image. Journal of Imaging, 2022, 8, 185.	3.0	4
29	Melioidosis: the great mimicker presenting as spondylodiscitis. BMJ Case Reports, 2018, 2018, bcr-2017-223223.	0.5	3
30	Microbiological profile of chronic osteomyelitis with special reference to anaerobic osteomyelitis in a tertiary care hospital of coastal Karnataka. Tropical Doctor, 2020, 50, 198-202.	0.5	3
31	Tension pneumocephalus following an implant removal from spine. BMJ Case Reports, 2021, 14, e239694.	0.5	3
32	Computerized image understanding system for reliable estimation of spinal curvature in idiopathic scoliosis. Scientific Reports, 2021, 11, 7144.	3.3	3
33	Brown tumour mimicking skeletal metastasis. BMJ Case Reports, 2021, 14, e243478.	0.5	3
34	Finding <i>Salmonella</i> in unusual sites: look before you leap. A case series. Tropical Doctor, 2018, 48, 127-131.	0.5	2
35	Delayed hypoglossal nerve palsy following occipital condyle fracture. BMJ Case Reports, 2019, 12, e232645.	0.5	2
36	Epidemiology, resistance characteristics, virulence determinants, and treatment outcomes of Staphylococcus aureus bone and joint infections: a one-year prospective study at a tertiary care hospital in India. Pathogens and Global Health, 2020, 114, 482-486.	2.3	2

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37	Melioidosis mimicking tubercular cold abscess. BMJ Case Reports, 2017, 2017, bcr-2017-221787.	0.5	2
38	Fear of Falling and Functional Mobility in Elders with Diabetic Peripheral Neuropathy in Coastal Karnataka, India: A Hospital-Based Study. Current Aging Science, 2022, 15, 252-258.	1.2	2
39	Accelerated Digitally Reconstructed Radiograph Generation Scheme for 2D to 3D Image Registration of Vertebrae Based on Sparse Sampling and Multi-Resolution. , 2017, , .		1
40	Infiltrating spinal angioliipoma with paraplegia and hydrocephalus: A rare case report. Journal of Taibah University Medical Sciences, 2021, 16, 295-299.	0.9	1
41	Cryptococcal spondylodiscitis in a non-HIV patient with CD4 lymphocytopenia. Journal of Taibah University Medical Sciences, 2021, 16, 470-475.	0.9	1
42	Spondylodiscitis due to Salmonella Typhi: a series of four cases. Oxford Medical Case Reports, 2021, 2021, omab128.	0.4	1
43	The cocktail infection: anaerobic and aerobic co-Infections in tubercular vertebral osteomyelitis. F1000Research, 0, 11, 130.	1.6	1
44	Effectiveness of posture-correction interventions for mechanical neck pain and posture among people with forward head posture: protocol for a systematic review. BMJ Open, 2022, 12, e054691.	1.9	1
45	Efficient Similarity Measurement between Digitally Reconstructed Radiograph and Fluoroscopy for 3D-2D Registration. , 2018, , .		0
46	Disappearing pulse: proximal humerus fracture with acute thrombosis of axillary artery. BMJ Case Reports, 2021, 14, e242740.	0.5	0
47	Bugs and bones: a study of 25 cases of infectious spondylodiscitis. International Journal of Advances in Medicine, 2021, 8, 1160.	0.1	0
48	Facet Tropism “ An Anatomic and CT Scan Study. Current Medical Imaging, 2017, 14, 103-107.	0.8	0
49	Multiple Fractures in a Patient with Disseminated Cysticercosis-Orthopaedic Implications. Journal of Clinical and Diagnostic Research JCDR, 0, , .	0.8	0
50	Synthetic Vertebral Column Fracture Image Generation by Deep Convolution Generative Adversarial Networks. , 2021, , .		0
51	Osteoarticular melioidosis: a retrospective cohort study of a neglected disease. Infezioni in Medicina, 2021, 29, 574-582.	1.1	0