

# Anburajan Mariamichael

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

528  
citations

1040056

9  
h-index

794594

19  
g-index

61  
all docs

61  
docs citations

61  
times ranked

662  
citing authors

#	ARTICLE	IF	CITATIONS
1	A preliminary study for the assessment of hypertension using static and dynamic IR thermograms. Biomedizinische Technik, 2018, 63, 197-206.	0.8	10
2	A case study on asymmetrical texture features comparison of breast thermogram and mammogram in normal and breast cancer subject. Biocatalysis and Agricultural Biotechnology, 2018, 15, 390-401.	3.1	6
3	Computer-Aided Diagnosis of Type 2 Diabetes Mellitus Using Thermogram of Open Mouth. Advances in Intelligent Systems and Computing, 2018, , 167-177.	0.6	2
4	Automated Hand Radiograph Segmentation, Feature Extraction and Classification Using Feed Forward BPN Network in Assessment of Rheumatoid Arthritis. Advances in Intelligent Systems and Computing, 2017, , 133-154.	0.6	1
5	Computer-based measurements of joint space analysis using metacarpal morphometry in hand radiograph for evaluation of rheumatoid arthritis. International Journal of Rheumatic Diseases, 2017, 20, 1120-1131.	1.9	7
6	PULSE WAVE VELOCITY AND ITS USEFULNESS IN ESTIMATION OF HYPERTENSION. Asian Journal of Pharmaceutical and Clinical Research, 2017, 10, 181.	0.3	2
7	Automated multimodal segmentation of an abnormal breast mass in mammogram. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 516-531.	1.8	1
8	A computer-aided system for automatic extraction of femur neck trabecular bone architecture using isotropic volume construction from clinical hip computed tomography images. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2016, 230, 930-941.	1.8	2
9	Ultrasound Color Doppler Image Segmentation and Feature Extraction in MCP and Wrist Region in Evaluation of Rheumatoid Arthritis. Journal of Medical Systems, 2016, 40, 197.	3.6	5
10	Diagnosis of Diabetes Mellitus by Extraction of Morphological Features of Red Blood Cells Using an Artificial Neural Network. Experimental and Clinical Endocrinology and Diabetes, 2016, 124, 548-556.	1.2	3
11	Hospital-Based Screening for Osteoporosis in Both Sexes Aged Above 50 Years Using Prototype US Bone Densitometer. Advances in Intelligent Systems and Computing, 2016, , 493-502.	0.6	0
12	Automated hand thermal image segmentation and feature extraction in the evaluation of rheumatoid arthritis. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2015, 229, 319-331.	1.8	38
13	A Prototype of Ultrasound Forearm Bone Densitometer in Validation with pDXA Bone Densitometer. , 2015, , .		5
14	Comparison of PET-CT and thermography with breast biopsy in evaluation of breast cancer: A case study. Infrared Physics and Technology, 2015, 73, 115-125.	2.9	9
15	Evaluation of Low Bone Mineral Mass Using a Combination of Peripheral Bone Mineral Density and Total Body Composition Variables by Neural Network. Procedia Computer Science, 2015, 57, 1115-1123.	2.0	3
16	Extraction of 3D Femur Neck Trabecular Bone Architecture from Clinical CT Images in Osteoporotic Evaluation: a Novel Framework. Journal of Medical Systems, 2015, 39, 81.	3.6	8
17	Low Bone Mass Estimation: The Exhibition of Semi-automated Approach over the Manual Method in a Comparative Perspective With DXA. International Journal of Osteoporosis and Metabolic Disorders, 2015, 9, 1-12.	0.3	1
18	Justification of anthropometric empirical indicator (AEI) by digital chest and pelvic X-rays: a comparative scenario with DXA on obesity grounds. Journal of Endocrinological Investigation, 2014, 37, 547-557.	3.3	0

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19	Prediction of low bone mass using a combinational approach of cortical and trabecular bone measures from dental panoramic radiographs. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 890-898.	1.8	12
20	The role of hip and chest radiographs in osteoporotic evaluation among south Indian women population: a comparative scenario with DXA. Journal of Endocrinological Investigation, 2014, 37, 429-440.	3.3	9
21	Potential of thermal imaging as a tool for prediction of cardiovascular disease. Journal of Medical Physics, 2014, 39, 98.	0.3	16
22	Estimation of blood glucose by non-invasive infrared thermography for diagnosis of type 2 diabetes: An alternative for blood sample extraction. Molecular and Cellular Endocrinology, 2013, 367, 57-63.	3.2	12
23	Diagnosis of osteoporosis by extraction of trabecular features from hip radiographs using support vector machine: An investigation panorama with DXA. Computers in Biology and Medicine, 2013, 43, 1910-1919.	7.0	48
24	Screening for osteoporotic fracture risk in south Indian rural population aged 50 years and above using FRAX&#x00AE; Calculator. , 2013, , .		1
25	Evaluation of complete Freund&#x2019;s adjuvant-induced arthritis in a Wistar rat model. Zeitschrift Fur Rheumatologie, 2013, 72, 375-382.	1.0	106
26	Anthropometry: A new approach to identify communal body fat status in an urban south Indian population. Obesity Research and Clinical Practice, 2013, 7, e190-e197.	1.8	3
27	Patient specific CAD model of useful carotid artery (CA) for CFD analysis of CA with plaque condition. , 2013, , .		2
28	Vision-based sign language translation device. , 2013, , .		33
29	Patient specific mimicing CAD models of biliary tract with and without gallstone for CFD analysis of bile dynamics. , 2013, , .		1
30	Multiparametric body composition analysis and anthropometric empirical indicator: obesity based south Indian perspective. Journal of Endocrinological Investigation, 2013, 36, 672-80.	3.3	1
31	Evaluation of Mammary Cancer in 7,12-Dimethylbenz(a)anthracene-Induced Wister Rats by Asymmetrical Temperature Distribution Analysis Using Thermography: A Comparison with Serum CEA Levels and Histopathology. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-11.	3.0	21
32	Heel bone mass of a young South Indian population with a Nigerian population residing in a South Indian suburban neighborhood: a comparative study. Osteoporosis International, 2012, 23, 2661-2669.	3.1	3
33	Spectrometric techniques for diagnosis of breast cancer. , 2012, , .		0
34	Thermal image analysis and segmentation of hand in evaluation of rheumatoid arthritis. , 2012, , .		21
35	Dual tree wavelet transform based watershed algorithm for image segmentation in hand radiographs of arthritis patients and classification using BPN neural network. , 2012, , .		6
36	Medical thermography: a diagnostic approach for type 2 diabetes based on non-contact infrared thermal imaging. Endocrine, 2012, 42, 343-351.	2.3	53

#	ARTICLE	IF	CITATIONS
37	Evaluation of functional ability of rheumatoid arthritis based on HAQ score and BMD among South Indian patients. <i>Rheumatology International</i> , 2012, 32, 1997-2004.	3.0	2
38	Cloud and Grid Computing Based Telemedicine Using Computer Communication Network through Internet. <i>Communications in Computer and Information Science</i> , 2012, , 434-446.	0.5	2
39	Finite element analysis of the skull implant using ansys software. , 2011, , .		8
40	Analysis of trabecular proximal femur bone in diagnosing osteoporosis using digital x-ray: A comparison with DXA. , 2011, , .		1
41	Screening Rural and Urban Indian Population for Osteoporosis Using Heel Ultrasound Bone Densitometer. , 2011, , .		1
42	PORTABLE biofeedback device for rehabilitating children with scoliosis between ages of 3&#x2013;10 years and their posture correction. , 2011, , .		3
43	Comparison of Singh's index with Dual energy x-ray absorptiometry (DXA) in evaluating post-menopausal osteoporosis. , 2011, , .		2
44	Analysis of Texture Patterns in Diagnosing Osteoporosis Using Proximal Femur X-Ray Images. <i>Communications in Computer and Information Science</i> , 2011, , 383-392.	0.5	0
45	Community-Specific BMI Cutoff Points for South Indian Females. <i>Journal of Obesity</i> , 2011, 2011, 1-8.	2.7	4
46	Segmentation of proximal femur in digital radiographic image using principal component model. , 2011, , .		1
47	Evaluation of mandibular reconstruction plate using Finite Element Analysis. , 2011, , .		0
48	Estimation of bone mineral density from the digital image of the calcanium bone. , 2011, , .		4
49	Finite element analysis of human lumbar spine. , 2011, , .		9
50	Changes of skin temperature of parts of the body and serum asymmetric dimethylarginine (ADMA) in type-2 diabetes mellitus Indian patients. , 2011, 2011, 6254-9.		6
51	Evaluation of rheumatoid arthritis in small animal model using Thermal imaging. , 2011, , .		7
52	Evaluation of osteoporosis using CT image of proximal femur compared with dual energy x-ray absorptiometry (DXA) as the standard. , 2011, , .		1
53	Design and finite element analysis of mandibular prosthesis. , 2011, , .		3
54	Finite element analysis of fractured finger with implant fixation using MIMICS. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
55	Simulation and analysis of aortic bypass surgery using computational fluid dynamics. , 2011, , .		0
56	Design of patient specific prosthetic aortic valve and to study its computational fluid dynamics. , 2011, , .		3
57	Finite element analysis of femur in the evaluation of Osteoporosis. , 2011, , .		5
58	Total body composition measurement by using bioelectric impedance analysis and its impact on obesity. , 2010, , .		2
59	Evaluation of osteoporosis using radiographic hip geometry, compared with dual energy X-ray absorptiometry (DXA) as the standard. , 2010, , .		7