Hassan Ugail

List of Publications by Year in descending order

55 papers	786 citations	567281 15 h-index	580821 25 g-index
58 all docs	58 docs citations	58 times ranked	357 citing authors

#	Article	IF	Citations
1	A deep artificial neural network architecture for mesh free solutions of nonlinear boundary value problems. Applied Intelligence, 2022, 52, 916-926.	5.3	4
2	Deep face recognition using full and partial face images. , 2022, , 221-241.		0
3	A framework for facial age progression and regression using exemplar face templates. Visual Computer, 2021, 37, 2023-2038.	3.5	11
4	An Efficient Gait Recognition Method for Known and Unknown Covariate Conditions. IEEE Access, 2021, 9, 6465-6477.	4.2	36
5	Social distancing enhanced automated optimal design of physical spaces in the wake of the COVID-19 pandemic. Sustainable Cities and Society, 2021, 68, 102791.	10.4	30
6	A Study of Deep Learning-Based Face Recognition Models for Sibling Identification. Sensors, 2021, 21, 5068.	3.8	18
7	Efficient and Physics-based Facial Blendshapes based on ODE sweeping Surface and Newtonâ€™s second law. , 2021, , .		0
8	Burns Depth Assessment Using Deep Learning Features. Journal of Medical and Biological Engineering, 2020, 40, 923-933.	1.8	16
9	Assessment of Human Skin Burns: A Deep Transfer Learning Approach. Journal of Medical and Biological Engineering, 2020, 40, 321-333.	1.8	23
10	Can Machine Learning Be Used to Discriminate Between Burns and Pressure Ulcer?. Advances in Intelligent Systems and Computing, 2020, , 870-880.	0.6	11
11	On Rearranging Physical Spaces for Enhancing Social Distancing Measures to Combat the COVID-19 Infection Rates. , 2020, , .		1
12	Cast Shadow Generation Using Generative Adversarial Networks. Lecture Notes in Computer Science, 2020, , 481-495.	1.3	0
13	An Optimisation Model for Designing Social Distancing Enhanced Physical Spaces. , 2020, , .		0
14	Efficient and realistic character animation through analytical physics-based skin deformation. Graphical Models, 2019, 104, 101035.	2.4	5
15	A genuine smile is indeed in the eyes â€" The computer aided non-invasive analysis of the exact weight distribution of human smiles across the face. Advanced Engineering Informatics, 2019, 42, 100967.	8.0	8
16	The Biharmonic Eigenface. Signal, Image and Video Processing, 2019, 13, 1639-1647.	2.7	6
17	Deep face recognition using imperfect facial data. Future Generation Computer Systems, 2019, 99, 213-225.	7.5	96
18	Gender and Smile Dynamics. SpringerBriefs in Computer Science, 2019, , 35-45.	0.2	0

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19	Firefly Algorithm Approach For Rational Bézier Border Reconstruction of Skin Lesions from Macroscopic Medical Images. , 2019, , .		1
20	On the Solution of Poisson's Equation using Deep Learning. , 2019, , .		3
21	Discrimination of Human Skin Burns Using Machine Learning. Advances in Intelligent Systems and Computing, 2019, , 641-647.	0.6	9
22	Discrimination of Healthy Skin, Superficial Epidermal Burns, and Full-Thickness Burns from 2D-Colored Images Using Machine Learning. , 2019, , 201-223.		3
23	Is gender encoded in the smile? A computational framework for the analysis of the smile driven dynamic face for gender recognition. Visual Computer, 2018, 34, 1243-1254.	3.5	15
24	A PDE patch-based spectral method for progressive mesh compression and mesh denoising. Visual Computer, 2018, 34, 1563-1577.	3.5	9
25	Multiresolution Discrete Finite Difference Masks for Rapid Solution Approximation of the Poisson's Equation. , 2018, , .		4
26	Computational Analysis of Smile Weight Distribution across the Face for Accurate Distinction between Genuine and Posed Smiles. , 2018, , .		0
27	Secrets of a smile? Your gender and perhaps your biometric identity. Biometric Technology Today, 2018, 2018, 5-7.	0.1	12
28	A PDE-based head visualization method with CT data. Computer Animation and Virtual Worlds, 2017, 28, e1683.	1.2	4
29	An Approach to Failure Prediction in a Cloud Based Environment. , 2017, , .		17
30	Automatic age estimation from facial profile view. IET Computer Vision, 2017, 11, 650-655.	2.0	18
31	A Machine Learning Approach for Ethnic Classification: The British Pakistani Face. , 2017, , .		10
32	A Method for Location Based Search for Enhancing Facial Feature Detection. Advances in Intelligent Systems and Computing, 2017, , 421-432.	0.6	8
33	Automatic age and gender classification using supervised appearance model. Journal of Electronic Imaging, 2016, 25, 061605.	0.9	21
34	Blending using ODE swept surfaces with shape control and $$C^1$$ C 1 continuity. Visual Computer, 2014, 30, 625-636.	3.5	10
35	Automatic shape optimisation of pharmaceutical tablets using Partial Differential Equations. Computers and Structures, 2014, 130, 1-9.	4.4	9
36	Geometric Modeling and Parametric Characterization for Virtual Design of Pharmaceutical Tablets. , 2012, , .		1

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37	Controllable C1 continuous blending of time-dependent parametric surfaces. Visual Computer, 2012, 28, 573-583.	3.5	3
38	Elasticâ€"plastic contact law for simulation of tablet crushing using the biharmonic equation. International Journal of Pharmaceutics, 2012, 427, 170-176.	5.2	5
39	Interactive Design. , 2011, , 47-60.		0
40	Facial geometry parameterisation based on Partial Differential Equations. Mathematical and Computer Modelling, 2011, 54, 1536-1548.	2.0	14
41	Method of modelling the compaction behaviour of cylindrical pharmaceutical tablets. International Journal of Pharmaceutics, 2011, 405, 113-121.	5.2	18
42	Partial Differential Equations for Geometric Design. , 2011, , .		8
43	A PDE method for patchwise approximation ofÂlarge polygon meshes. Visual Computer, 2010, 26, 975-984.	3.5	13
44	A Comparative Study Between Biharmonic Bezier Surfaces and Biharmonic Extremal Surfaces. International Journal of Computers and Applications, 2009, 31, 90-96.	1.3	3
45	A survey of partial differential equations in geometric design. Visual Computer, 2008, 24, 213-225.	3.5	28
46	A general 4th-order PDE method to generate BÃ©zier surfaces from the boundary. Computer Aided Geometric Design, 2006, 23, 208-225.	1.2	52
47	Method of trimming PDE surfaces. Computers and Graphics, 2006, 30, 225-232.	2.5	8
48	Modelling of oedemous limbs and venous ulcers using partial differential equations. Theoretical Biology and Medical Modelling, 2005, 2, 28.	2.1	10
49	Spine Based Shape Parameterisation for PDE Surfaces. Computing (Vienna/New York), 2004, 72, 195-206.	4.8	15
50	Interactive design using higher order PDEs. Visual Computer, 2004, 20, 682-693.	3.5	17
51	On harmonic and biharmonic BÃ©zier surfaces. Computer Aided Geometric Design, 2004, 21, 697-715.	1.2	59
52	Parametric Design and Optimisation of Thin-Walled Structures for Food Packaging. Optimization and Engineering, 2003, 4, 291-307.	2.4	6
53	Techniques for interactive design using the PDE method. ACM Transactions on Graphics, 1999, 18, 195-212.	7.2	82
54	Manipulation of PDE surfaces using an interactively defined parameterisation. Computers and Graphics, 1999, 23, 525-534.	2.5	26

#	Article	IF	Citations
55	Interactive PDE patch-based surface modeling from vertex-frames. Engineering With Computers, 0, , .	6.1	0