Hassan Ugail

List of Publications by Year
in descending order

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55	786	567281	580821
papers	citations	15	25
		h-index	g-index

58	58	58	357
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep face recognition using imperfect facial data. Future Generation Computer Systems, 2019, 99, 213-225.	7.5	96
2	Techniques for interactive design using the PDE method. ACM Transactions on Graphics, 1999, 18, 195-212.	7.2	82
3	On harmonic and biharmonic BÃ©zier surfaces. Computer Aided Geometric Design, 2004, 21, 697-715.	1.2	59
4	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
5	An Efficient Gait Recognition Method for Known and Unknown Covariate Conditions. IEEE Access, 2021, 9, 6465-6477.	4.2	36
6	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
7	A survey of partial differential equations in geometric design. Visual Computer, 2008, 24, 213-225.	3.5	28
8	Manipulation of PDE surfaces using an interactively defined parameterisation. Computers and Graphics, 1999, 23, 525-534.	2.5	26
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	Automatic age and gender classification using supervised appearance model. Journal of Electronic Imaging, 2016, 25, 061605.	0.9	21
11	Method of modelling the compaction behaviour of cylindrical pharmaceutical tablets. International Journal of Pharmaceutics, 2011, 405, 113-121.	5.2	18
12	Automatic age estimation from facial profile view. IET Computer Vision, 2017, 11, 650-655.	2.0	18
13	A Study of Deep Learning-Based Face Recognition Models for Sibling Identification. Sensors, 2021, 21, 5068.	3.8	18
14	Interactive design using higher order PDEs. Visual Computer, 2004, 20, 682-693.	3.5	17
15	An Approach to Failure Prediction in a Cloud Based Environment. , 2017, , .		17
16	Burns Depth Assessment Using Deep Learning Features. Journal of Medical and Biological Engineering, 2020, 40, 923-933.	1.8	16
17	Spine Based Shape Parameterisation for PDE Surfaces. Computing (Vienna/New York), 2004, 72, 195-206.	4.8	15
18	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

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19	Facial geometry parameterisation based on Partial Differential Equations. Mathematical and Computer Modelling, 2011, 54, 1536-1548.	2.0	14
20	A PDE method for patchwise approximation ofÂlarge polygon meshes. Visual Computer, 2010, 26, 975-984.	3.5	13
21	Secrets of a smile? Your gender and perhaps your biometric identity. Biometric Technology Today, 2018, 2018, 5-7.	0.1	12
22	A framework for facial age progression and regression using exemplar face templates. Visual Computer, 2021, 37, 2023-2038.	3.5	11
23	Can Machine Learning Be Used to Discriminate Between Burns and Pressure Ulcer?. Advances in Intelligent Systems and Computing, 2020, , 870-880.	0.6	11
24	Modelling of oedemous limbs and venous ulcers using partial differential equations. Theoretical Biology and Medical Modelling, 2005, 2, 28.	2.1	10
25	Blending using ODE swept surfaces with shape control and $$C^1$$ C 1 continuity. Visual Computer, 2014, 30, 625-636.	3.5	10
26	A Machine Learning Approach for Ethnic Classification: The British Pakistani Face. , 2017, , .		10
27	Automatic shape optimisation of pharmaceutical tablets using Partial Differential Equations. Computers and Structures, 2014, 130, 1-9.	4.4	9
28	A PDE patch-based spectral method for progressive mesh compression and mesh denoising. Visual Computer, 2018, 34, 1563-1577.	3.5	9
29	Discrimination of Human Skin Burns Using Machine Learning. Advances in Intelligent Systems and Computing, 2019, , 641-647.	0.6	9
30	Method of trimming PDE surfaces. Computers and Graphics, 2006, 30, 225-232.	2.5	8
31	Partial Differential Equations for Geometric Design. , 2011, , .		8
32	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
33	A Method for Location Based Search for Enhancing Facial Feature Detection. Advances in Intelligent Systems and Computing, 2017, , 421-432.	0.6	8
34	Parametric Design and Optimisation of Thin-Walled Structures for Food Packaging. Optimization and Engineering, 2003, 4, 291-307.	2.4	6
35	The Biharmonic Eigenface. Signal, Image and Video Processing, 2019, 13, 1639-1647.	2.7	6
36	Elasticâ€“plastic contact law for simulation of tablet crushing using the biharmonic equation. International Journal of Pharmaceutics, 2012, 427, 170-176.	5.2	5

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37	Efficient and realistic character animation through analytical physics-based skin deformation. Graphical Models, 2019, 104, 101035.	2.4	5
38	A PDEâ€based head visualization method with CT data. Computer Animation and Virtual Worlds, 2017, 28, e1683.	1.2	4
39	Multiresolution Discrete Finite Difference Masks for Rapid Solution Approximation of the Poissonâ€™s Equation. , 2018, , .		4
40	A deep artificial neural network architecture for mesh free solutions of nonlinear boundary value problems. Applied Intelligence, 2022, 52, 916-926.	5.3	4
41	A Comparative Study Between Biharmonic Bezier Surfaces and Biharmonic Extremal Surfaces. International Journal of Computers and Applications, 2009, 31, 90-96.	1.3	3
42	Controllable C1 continuous blending of time-dependent parametric surfaces. Visual Computer, 2012, 28, 573-583.	3.5	3
43	On the Solution of Poissonâ€™s Equation using Deep Learning. , 2019, , .		3
44	Discrimination of Healthy Skin, Superficial Epidermal Burns, and Full-Thickness Burns from 2D-Colored Images Using Machine Learning. , 2019, , 201-223.		3
45	Geometric Modeling and Parametric Characterization for Virtual Design of Pharmaceutical Tablets. , 2012, , .		1
46	Firefly Algorithm Approach For Rational BÃ©zier Border Reconstruction of Skin Lesions from Macroscopic Medical Images. , 2019, , .		1
47	On Rearranging Physical Spaces for Enhancing Social Distancing Measures to Combat the COVID-19 Infection Rates. , 2020, , .		1
48	Interactive Design. , 2011, , 47-60.		0
49	Computational Analysis of Smile Weight Distribution across the Face for Accurate Distinction between Genuine and Posed Smiles. , 2018, , .		0
50	Gender and Smile Dynamics. SpringerBriefs in Computer Science, 2019, , 35-45.	0.2	0
51	Cast Shadow Generation Using Generative Adversarial Networks. Lecture Notes in Computer Science, 2020, , 481-495.	1.3	0
52	Efficient and Physics-based Facial Blendshapes based on ODE sweeping Surface and Newtonâ€™s second law. , 2021, , .		0
53	An Optimisation Model for Designing Social Distancing Enhanced Physical Spaces. , 2020, , .		0
54	Interactive PDE patch-based surface modeling from vertex-frames. Engineering With Computers, 0, , .	6.1	0

#	Article	IF	Citations
55	Deep face recognition using full and partial face images. , 2022, , 221-241.		0