

Hoshang Kolivand

List of Publications by Year in descending order

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Version: 2024-02-01

95
papers

1,518
citations

361413

20
h-index

345221

36
g-index

100
all docs

100
docs citations

100
times ranked

1114
citing authors

#	ARTICLE	IF	CITATIONS
1	Ambient assisted living framework for elderly care using Internet of medical things, smart sensors, and GRU deep learning techniques. Journal of Ambient Intelligence and Smart Environments, 2022, 14, 5-23.	1.4	3
2	Investigation on the Impact of Video Games on People Who Use New Technology. Communications in Computer and Information Science, 2022, , 365-379.	0.5	0
3	Intelligent Traffic Signal Automation Based on Computer Vision Techniques Using Deep Learning. IT Professional, 2022, 24, 27-33.	1.5	9
4	Virtual conference design: features and obstacles. Multimedia Tools and Applications, 2022, 81, 16901-16919.	3.9	6
5	Kinect-Based Rehabilitation Systems for Stroke Patients: A Scoping Review. BioMed Research International, 2022, 2022, 1-16.	1.9	10
6	Anomaly-based intrusion detection system for IoT networks through deep learning model. Computers and Electrical Engineering, 2022, 99, 107810.	4.8	117
7	Internet of things (IoT) assisted soil salinity mapping at irrigation schema level. Applied Water Science, 2022, 12, 1.	5.6	11
8	An integration of enhanced social force and crowd control models for high-density crowd simulation. Neural Computing and Applications, 2021, 33, 6095-6117.	5.6	15
9	A new framework for sign language alphabet hand posture recognition using geometrical features through artificial neural network (part 1). Neural Computing and Applications, 2021, 33, 4945-4963.	5.6	17
10	SaS-BCI: a new strategy to predict image memorability and use mental imagery as a brain-based biometric authentication. Neural Computing and Applications, 2021, 33, 4283-4297.	5.6	12
11	Identifying Patients With PTSD Utilizing Resting-State fMRI Data and Neural Network Approach. IEEE Access, 2021, 9, 107941-107954.	4.2	8
12	Recent Developments in Detection of Central Serous Retinopathy Through Imaging and Artificial Intelligence Techniques—A Review. IEEE Access, 2021, 9, 168731-168748.	4.2	31
13	Securing Digital Images through Simple Permutation-Substitution Mechanism in Cloud-Based Smart City Environment. Security and Communication Networks, 2021, 2021, 1-17.	1.5	47
14	Robotics to Enhance the Teaching and Learning Process. , 2021, , .		0
15	Quantum based encryption approach for secure images. , 2021, , .		3
16	An implementation of sign language alphabet hand posture recognition using geometrical features through artificial neural network (part 2). Neural Computing and Applications, 2021, 33, 13885-13907.	5.6	4
17	A New Solution to the Brain State Permanency for Brain-Based Authentication Methods. , 2021, , .		2
18	Automatic detection of papilledema through fundus retinal images using deep learning. Microscopy Research and Technique, 2021, 84, 3066-3077.	2.2	41

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19	COVID-19 Detection Using Integration of Deep Learning Classifiers and Contrast-Enhanced Canny Edge Detected X-Ray Images. IT Professional, 2021, 23, 51-56.	1.5	13
20	A centralized architecture for autonomic quality of experience oriented handover in dense networks. Computers and Electrical Engineering, 2021, 94, 107352.	4.8	3
21	Enterprise Credential Spear-phishing attack detection. Computers and Electrical Engineering, 2021, 94, 107363.	4.8	23
22	M-SMDM: A model of security measures using Green Internet of Things with Cloud Integrated Data Management for Smart Cities. Environmental Technology and Innovation, 2021, 24, 101802.	6.1	17
23	Reimagining the Book ... Again! A New Framework for Smart Books Using Digital Twins Technology. Communications in Computer and Information Science, 2021, , 233-245.	0.5	2
24	Enhancing fragility of zero-based text watermarking utilizing effective characters list. Multimedia Tools and Applications, 2020, 79, 341-354.	3.9	9
25	An External Parameter Independent Novel Cost Function for Evolving Bijective Substitution-Boxes. Symmetry, 2020, 12, 1896.	2.2	14
26	Computational human performance modelling for human-in-the-Loop machine systems. Journal of Intelligent and Fuzzy Systems, 2020, 39, 5349-5357.	1.4	2
27	A Survey of Deep Learning for Lung Disease Detection on Medical Images: State-of-the-Art, Taxonomy, Issues and Future Directions. Journal of Imaging, 2020, 6, 131.	3.0	55
28	A new approach for web usage mining using case based reasoning. SN Applied Sciences, 2020, 2, 1.	2.9	7
29	Verification of Airport Control Using Lisp Functional Language. , 2020, , .		1
30	Real-Time Cloth Simulation on Virtual Human Character Using Enhanced Position Based Dynamic Framework Technique. Baghdad Science Journal, 2020, 17, 1294.	0.6	20
31	A New Email Phishing Training Website. , 2020, , .		1
32	A New Leaf Venation Detection Technique for Plant Species Classification. Arabian Journal for Science and Engineering, 2019, 44, 3315-3327.	3.0	30
33	Cultural Heritage in Marker-Less Augmented Reality: A Survey. , 2019, , .		14
34	Remote health monitoring of elderly through wearable sensors. Multimedia Tools and Applications, 2019, 78, 24681-24706.	3.9	225
35	Smart hospital emergency system. Multimedia Tools and Applications, 2019, 78, 20087-20111.	3.9	23
36	Using Augmented Reality Technology in Pathfinding. , 2019, , .		2

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37	Phishing Attacks in Qatar: A Literature Review of the Problems and Solutions. , 2019, , .		4
38	ReLiShaft: realistic real-time light shaft generation taking sky illumination into account. Multimedia Tools and Applications, 2019, 78, 6073-6092.	3.9	1
39	Plasmodium life cycle stage classification based quantification of malaria parasitaemia in thin blood smears. Microscopy Research and Technique, 2019, 82, 283-295.	2.2	34
40	Brain Signals as a New Biometric Authentication Method Using Brain-Computer Interface. , 2019, , 1-14.		2
41	Hybrid Silhouette Detection for Real-Time Shadow Volume. The International Journal of Virtual Reality, 2019, 10, 43-51.	2.2	1
42	Virtual Human for Assisted Healthcare: Application and Technology. , 2019, , 1-8.		1
43	Fingerprint Verification Based on Combining Minutiae Extraction and Statistical Features. , 2019, , 1-6.		0
44	ReVitAge: Realistic virtual heritage taking shadows and sky illumination into account. Journal of Cultural Heritage, 2018, 32, 166-175.	3.3	15
45	Rouleaux red blood cells splitting in microscopic thin blood smear images via local maxima, circles drawing, and mapping with original RBCs. Microscopy Research and Technique, 2018, 81, 737-744.	2.2	32
46	Realistic real-time rendering of light shafts using blur filter: considering the effect of shadow maps. Multimedia Tools and Applications, 2018, 77, 17007-17022.	3.9	1
47	Photorealistic rendering: a survey on evaluation. Multimedia Tools and Applications, 2018, 77, 25983-26008.	3.9	2
48	Geometry-based shading for shape depiction enhancement. Multimedia Tools and Applications, 2018, 77, 5737-5766.	3.9	2
49	Lip syncing method for realistic expressive 3D face model. Multimedia Tools and Applications, 2018, 77, 5323-5366.	3.9	10
50	Impact of Gender on Vocabulary Acquisition Using Augmented Reality Among Iranian Seventh Grades Students. Advanced Science Letters, 2018, 24, 4030-4033.	0.2	2
51	Features selection for offline handwritten signature verification: state of the art. International Journal of Computational Vision and Robotics, 2018, 8, 606.	0.3	13
52	Classification of acute lymphoblastic leukemia using deep learning. Microscopy Research and Technique, 2018, 81, 1310-1317.	2.2	193
53	Automatic computer-aided caries detection from dental x-ray images using intelligent level set. Multimedia Tools and Applications, 2018, 77, 28843-28862.	3.9	37
54	Interactive rendering of light scattering in dust molecules using particle systems. International Journal of Computer Aided Engineering and Technology, 2018, 10, 274.	0.2	0

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55	An expert botanical feature extraction technique based on phenetic features for identifying plant species. PLoS ONE, 2018, 13, e0191447.	2.5	10
56	Virtual Sex: Good, Bad or Ugly?. Lecture Notes in Computer Science, 2018, , 26-36.	1.3	7
57	Image Enhancement and Segmentation Techniques for Detection of Knee Joint Diseases: A Survey. Current Medical Imaging, 2018, 14, 704-715.	0.8	58
58	Realistic Rendering Colored Light Shafts Using Light Texture. Lecture Notes on Data Engineering and Communications Technologies, 2018, , 353-360.	0.7	0
59	Interactive rendering of light scattering in dust molecules using particle systems. International Journal of Computer Aided Engineering and Technology, 2018, 10, 274.	0.2	0
60	Morphological region-based initial contour algorithm for level set methods in image segmentation. Multimedia Tools and Applications, 2017, 76, 2185-2201.	3.9	39
61	Soft bilateral filtering shadows using multiple image-based algorithms. Multimedia Tools and Applications, 2017, 76, 2591-2608.	3.9	5
62	Factors Influencing the Acceptance of Augmented Reality in Education: A Review of the Literature. Journal of Computer Science, 2017, 13, 581-589.	0.6	37
63	Soft bilateral filtering volumetric shadows using cube shadow maps. PLoS ONE, 2017, 12, e0178415.	2.5	2
64	Interactive toon shading using mesh smoothing. International Journal of Intelligent Systems Technologies and Applications, 2016, 15, 218.	0.2	2
65	Real Time Talking System for Virtual Human based on ProPhone. Research Journal of Applied Sciences, Engineering and Technology, 2016, 13, 611-616.	0.1	1
66	Identification of metabolic pathways using pathfinding approaches: a systematic review. Briefings in Functional Genomics, 2016, 16, elw002.	2.7	12
67	LivePhantom: Retrieving Virtual World Light Data to Real Environments. PLoS ONE, 2016, 11, e0166424.	2.5	3
68	MOTION DEFORMATION STYLE CONTROL TECHNIQUE FOR 3D HUMANOID CHARACTER BY USING MOCAP DATA. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
69	Enhanced exemplar based inpainting algorithm for hiding the augmented reality marker. , 2015, , .		0
70	Background subtraction methods in video streams: A review. , 2015, , .		3
71	Stylized line drawings for shape depiction. , 2015, , .		1
72	FRAMEWORK OF CONTROLLING 3D VIRTUAL HUMAN EMOTIONAL WALKING USING BCI. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	3

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73	A Comprehensive Study on Pathfinding Techniques for Robotics and Video Games. International Journal of Computer Games Technology, 2015, 2015, 1-11.	2.5	60
74	Computer-Aided Dental Caries Detection System from X-Ray Images. Advances in Intelligent Systems and Computing, 2015, , 233-243.	0.6	10
75	Marker Hiding Methods: Applications in Augmented Reality. Applied Artificial Intelligence, 2015, 29, 101-118.	3.2	2
76	Virtual Surgery, Applications and Limitations. Lecture Notes in Bioengineering, 2015, , 169-195.	0.4	3
77	Shadow Generation in Mixed Reality: A Comprehensive Survey. IETE Technical Review (Institution of Tj ETQq1 1 0.784314 rgBT /Overlo	3.2	6
78	Anti-aliasing in image based shadow generation techniques: a comprehensive survey. Multimedia Tools and Applications, 2015, 74, 7461-7487.	3.9	5
79	Automatic Estimation of Illumination Features for Indoor Photorealistic Rendering in Augmented Reality. Communications in Computer and Information Science, 2015, , 541-554.	0.5	1
80	Emotion Interaction with Virtual Reality Using Hybrid Emotion Classification Technique toward Brain Signals. International Journal of Computer Science and Information Technology, 2015, 7, 159-182.	0.6	3
81	SOFT SHADOWS USING SP-LINE APPROXIMATION. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	0
82	INTERACTIVE NON-PHOTOREALISTIC RENDERING. Jurnal Teknologi (Sciences and Engineering), 2015, 75, .	0.4	3
83	A quadratic spline approximation using detail multi-layer for soft shadow generation in augmented reality. Multimedia Tools and Applications, 2014, 73, 1225-1245.	3.9	9
84	Covering photo-realistic properties of outdoor components with the effects of sky color in mixed reality. Multimedia Tools and Applications, 2014, 72, 2143-2162.	3.9	18
85	Realistic Real-Time Outdoor Rendering in Augmented Reality. PLoS ONE, 2014, 9, e108334.	2.5	21
86	Simulated real-time soft shadow in mixed reality using fuzzy logic. 3D Research, 2013, 4, 1.	1.8	2
87	Survey of Shadow Volume Algorithms in Computer Graphics. IETE Technical Review (Institution of Tj ETQq1 1 0.784314 rgBT /Overlo	3.2	24
88	An Overview on Base Real-Time Hard Shadow Techniques in Virtual Environments. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2012, 10, .	0.1	2
89	An Overview on Base Real-Time Shadow Techniques in Virtual Environments. Telkomnika (Telecommunication Computing Electronics and Control), 2012, 10, 171.	0.8	9
90	New Silhouette Detection Algorithm to Create Real-Time Volume Shadow. , 2011, , .		2

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91	Real-Time Volume Shadow using Visible-Non Visible Algorithm. Journal of Computer Science, 2011, 7, 980-985.	0.6	3
92	A New Application for Real-Time Shadow and Sun's Position in Virtual Environment. Lecture Notes in Computer Science, 2011, , 300-306.	1.3	1
93	Real-Time Volume Shadow Using Stencil Buffer. Communications in Computer and Information Science, 2011, , 680-687.	0.5	0
94	A New Traffic Sign Recognition Technique Taking Shuffled Frog-Leaping Algorithm into Account. Wireless Personal Communications, 0, , .	2.7	1
95	A functional enhancement on scarred fingerprint using sigmoid filtering. Neural Computing and Applications, 0, , .	5.6	1