Ali Al-Naji

List of Publications by Year
in descending order

48 papers	**1,231** citations	430442 **18** h-index	377514 **34** g-index
50 all docs	**50** docs citations	**50** times ranked	**979** citing authors

#	Article	IF	Citations
1	Hand Gesture Recognition Based on Computer Vision: A Review of Techniques. Journal of Imaging, 2020, 6, 73.	1.7	254
2	Monitoring of Cardiorespiratory Signal: Principles of Remote Measurements and Review of Methods. IEEE Access, 2017, 5, 15776-15790.	2.6	97
3	Real Time Apnoea Monitoring of Children Using the Microsoft Kinect Sensor: A Pilot Study. Sensors, 2017, 17, 286.	2.1	63
4	Remote Monitoring of Vital Signs in Diverse Non-Clinical and Clinical Scenarios Using Computer Vision Systems: A Review. Applied Sciences (Switzerland), 2019, 9, 4474.	1.3	62
5	Life Signs Detector Using a Drone in Disaster Zones. Remote Sensing, 2019, 11, 2441.	1.8	62
6	Remote monitoring of cardiorespiratory signals from a hovering unmanned aerial vehicle. BioMedical Engineering OnLine, 2017, 16, 101.	1.3	58
7	Accurate Fall Detection and Localization for Elderly People Based on Neural Network and Energy-Efficient Wireless Sensor Network. Energies, 2018, 11, 2866.	1.6	47
8	Remote respiratory monitoring system based on developing motion magnification technique. Biomedical Signal Processing and Control, 2016, 29, 1-10.	3.5	42
9	Neural Network-Based Alzheimer's Patient Localization for Wireless Sensor Network in an Indoor Environment. IEEE Access, 2020, 8, 150527-150538.	2.6	34
10	Soil color analysis based on a RGB camera and an artificial neural network towards smart irrigation: A pilot study. Heliyon, 2021, 7, e06078.	1.4	33
11	An Advanced First Aid System Based on an Unmanned Aerial Vehicles and a Wireless Body Area Sensor Network for Elderly Persons in Outdoor Environments. Sensors, 2019, 19, 2955.	2.1	27
12	Non-contact heart and respiratory rate monitoring of preterm infants based on a computer vision system: a method comparison study. Pediatric Research, 2019, 86, 738-741.	1.1	27
13	Non-Contact Automatic Vital Signs Monitoring of Infants in a Neonatal Intensive Care Unit Based on Neural Networks. Journal of Imaging, 2021, 7, 122.	1.7	27
14	Quality index evaluation of videos based on fuzzy interface system. IET Image Processing, 2017, 11, 292-300.	1.4	25
15	Remote Optical Cardiopulmonary Signal Extraction With Noise Artifact Removal, Multiple Subject Detection & Long-Distance. IEEE Access, 2018, 6, 11573-11595.	2.6	25
16	Simultaneous Tracking of Cardiorespiratory Signals for Multiple Persons Using a Machine Vision System With Noise Artifact Removal. IEEE Journal of Translational Engineering in Health and Medicine, 2017, 5, 1-10.	2.2	22
17	Non-Contact SpO2 Prediction System Based on a Digital Camera. Applied Sciences (Switzerland), 2021, 11, 4255.	1.3	22
18	Elderly Care Based on Hand Gestures Using Kinect Sensor. Computers, 2021, 10, 5.	2.1	20

#	Article	IF	Citations
19	Remote sensing of physiological signs using a machine vision system. Journal of Medical Engineering and Technology, 2017, 41, 396-405.	0.8	19
20	Highly Accurate Water Level Measurement System Using a Microcontroller and an Ultrasonic Sensor. IOP Conference Series: Materials Science and Engineering, 2019, 518, 042025.	0.3	19
21	A System for Monitoring Breathing Activity Using an Ultrasonic Radar Detection with Low Power Consumption. Journal of Sensor and Actuator Networks, 2019, 8, 32.	2.3	19
22	Contactless Cardiac Activity Detection Based on Head Motion Magnification. International Journal of Image and Graphics, 2017, 17, 1750001.	1.2	16
23	Detection of Cardiopulmonary Activity and Related Abnormal Events Using Microsoft Kinect Sensor. Sensors, 2018, 18, 920.	2.1	16
24	Human Detection and Motion Analysis from a Quadrotor UAV. IOP Conference Series: Materials Science and Engineering, 0, 405, 012003.	0.3	15
25	A Pilot Study for Estimating the Cardiopulmonary Signals of Diverse Exotic Animals Using a Digital Camera. Sensors, 2019, 19, 5445.	2.1	15
26	Noncontact Heart Activity Measurement System Based on Video Imaging Analysis. International Journal of Pattern Recognition and Artificial Intelligence, 2017, 31, 1757001.	0.7	13
27	An efficient motion magnification system for real-time applications. Machine Vision and Applications, 2018, 29, 585-600.	1.7	13
28	Remote measurement of cardiopulmonary signal using an unmanned aerial vehicle. IOP Conference Series: Materials Science and Engineering, 2018, 405, 012001.	0.3	13
29	Hand Gestures for Elderly Care Using a Microsoft Kinect. Nano Biomedicine and Engineering, 2020, 12, .	0.3	13
30	Hybrid Coils-Based Wireless Power Transfer for Intelligent Sensors. Sensors, 2020, 20, 2549.	2.1	12
31	Detection and Localisation of Life Signs from the Air Using Image Registration and Spatio-Temporal Filtering. Remote Sensing, 2020, 12, 577.	1.8	12
32	A Fast Text-to-Image Encryption-Decryption Algorithm for Secure Network Communication. Computers, 2022, 11, 39.	2.1	12
33	Design of Powering Wireless Medical Sensor Based on Spiral-Spider Coils. Designs, 2021, 5, 59.	1.3	11
34	Energy-Efficient Elderly Fall Detection System Based on Power Reduction and Wireless Power Transfer. Sensors, 2019, 19, 4452.	2.1	10
35	Computer Vision for Jaundice Detection in Neonates Using Graphic User Interface. IOP Conference Series: Materials Science and Engineering, 2021, 1105, 012076.	0.3	10
36	Cardiopulmonary signal acquisition from different regions using video imaging analysis. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 117-131.	1.3	9

#	Article	IF	Citations
37	Noncontact Sensing of Contagion. Journal of Imaging, 2021, 7, 28.	1.7	9
38	Neonatal Jaundice Detection Using a Computer Vision System. Designs, 2021, 5, 63.	1.3	9
39	Human motion analysis from UAV video. International Journal of Intelligent Unmanned Systems, 2018, 6, 69-92.	0.6	4
40	Non-contact automatic vital signs monitoring of neonates in NICU using video camera imaging. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 278-285.	1.3	4
41	Computer Vision for Elderly Care Based on Deep Learning CNN and SVM. IOP Conference Series: Materials Science and Engineering, 2021, 1105, 012070.	0.3	3
42	Noncontact Heart and Respiratory Rate Monitoring of Preterm Infants Based on a Computer Vision System: Protocol for a Method Comparison Study. JMIR Research Protocols, 2019, 8, e13400.	0.5	2
43	A Review on Image Processing Based Neonatal Jaundice Detection Techniques. , 2021, , .		2
44	Application of Cardiopulmonary Resuscitation Mechanism in Infant Population: A Short Review. IOP Conference Series: Materials Science and Engineering, 2021, 1105, 012077.	0.3	1
45	Improved Control System Based on PSO and ANN for Social Distancing for Patients With COVID-19. IEEE Access, 2022, 10, 63797-63811.	2.6	1
46	Improving the Performance of Turbo-Coded Systems under Suzuki Fading Channels. Journal of Low Power Electronics and Applications, 2019, 9, 13.	1.3	0
47	Smart Soil Irrigation System Based on A Digital Camera and Graphic User Interface. IOP Conference Series: Materials Science and Engineering, 2021, 1105, 012005.	0.3	0
48	Characterization of Infant Cardiopulmonary Resuscitation Delivery with Range Sensor Feedback on Performance. Applied Sciences (Switzerland), 2021, 11, 9813.	1.3	0