

# Syed Saad Azhar Ali

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

1,045  
citations

777949

13  
h-index

591227

27  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Automatic License Plate Detection. <i>Sensors</i> , 2022, 22, 1245.	2.1	15
2	Resilience-Building for Mental Health among Early Childhood Educators: A Systematic Review and Pilot-Study towards an EEG-VR Resilience Building Intervention. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4413.	1.2	4
3	Optimization of On-Grid Hybrid Renewable Energy System: A Case Study on Azad Jammu and Kashmir. <i>Sustainability</i> , 2022, 14, 5757.	1.6	14
4	A Novel Fuzzy-Logic-Based Multi-Criteria Metric for Performance Evaluation of Spam Email Detection Algorithms. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7043.	1.3	5
5	Workplace Mental State Monitoring during VR-Based Training for Offshore Environment. <i>Sensors</i> , 2021, 21, 4885.	2.1	6
6	Development of Enhanced Stimulus Content to Improve the Treatment Efficacy of EEG-Based Frontal Alpha Asymmetry Neurofeedback for Stress Mitigation. <i>IEEE Access</i> , 2021, 9, 130638-130648.	2.6	9
7	Either crop or pad the input volume: What is beneficial for Convolutional Neural Network?. , 2021, , .		0
8	A Hybridized Pre-Processing Method for Detecting Tuberculosis using Deep Learning. , 2021, , .		2
9	Performance Evaluation of EEG Based Mental Stress Assessment Approaches for Wearable Devices. <i>Frontiers in Neurorobotics</i> , 2021, 15, 819448.	1.6	5
10	Annual Cost and Loss Minimization in a Radial Distribution Network by Capacitor Allocation Using PSO. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11840.	1.3	9
11	Effect of waves and current on motion control of underwater gliders. <i>Journal of Marine Science and Technology</i> , 2020, 25, 549-562.	1.3	8
12	Underactuated Coupled Nonlinear Adaptive Control Synthesis Using U-Model for Multivariable Unmanned Marine Robotics. <i>IEEE Access</i> , 2020, 8, 1851-1865.	2.6	19
13	Block Compressive Sensing Single-View Video Reconstruction Using Joint Decoding Framework for Low Power Real Time Applications. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7963.	1.3	1
14	Real-Time Stress Assessment Using Sliding Window Based Convolutional Neural Network. <i>Sensors</i> , 2020, 20, 4400.	2.1	10
15	Implementation of Nonlinear Adaptive U-Model Control Synthesis Using a Robot Operating System for an Unmanned Underwater Vehicle. <i>IEEE Access</i> , 2020, 8, 205685-205695.	2.6	5
16	Evaluation of Deep Neural Networks for Semantic Segmentation of Prostate in T2W MRI. <i>Sensors</i> , 2020, 20, 3183.	2.1	41
17	Virtual Reality Training and Skill Enhancement for Offshore Workers. , 2020, , .		3
18	Investigating Neurofeedback Protocols for Stress Mitigation: A Comparative Analysis of Different Stimulus Contents. <i>IEEE Access</i> , 2019, 7, 141021-141035.	2.6	11

#	ARTICLE	IF	CITATIONS
19	Advanced Bio-Sensing System for Thermal Ambience Comfort. , 2019, , .		1
20	Effect Of Neurofeedback 2D and 3D Stimulus Content On Stress Mitigation. , 2019, , .		4
21	Identifying Trends in Data Science Articles using Text Mining. , 2019, , .		0
22	Performance Analysis of Duplicate Record Detection Techniques. Engineering, Technology & Applied Science Research, 2019, 9, 4755-4758.	0.8	2
23	A machine learning framework involving EEG-based functional connectivity to diagnose major depressive disorder (MDD). Medical and Biological Engineering and Computing, 2018, 56, 233-246.	1.6	114
24	An EEG-based functional connectivity measure for automatic detection of alcohol use disorder. Artificial Intelligence in Medicine, 2018, 84, 79-89.	3.8	47
25	Design and Simulation of Fractional Order Control Scheme for Rotary Flexible Link. , 2018, , .		0
26	Machine Learning and Stress Assessment: A Review. , 2018, , .		5
27	Detection and Analysis of Driver Drowsiness. , 2018, , .		6
28	Liver Patient Classification using Logistic Regression. , 2018, , .		11
29	Prediction of Eye State Using KNN Algorithm. , 2018, , .		6
30	Contrasting Convolutional Neural Network (CNN) with Multi-Layer Perceptron (MLP) for Big Data Analysis. , 2018, , .		31
31	Subsea Pipeline Corrosion Estimation by Restoring and Enhancing Degraded Underwater Images. IEEE Access, 2018, 6, 40585-40601.	2.6	24
32	Pitch and Depth Control of Underwater Glider using LQG and LQR via Kalman Filter. International Journal of Vehicle Structures and Systems, 2018, 10, .	0.1	2
33	Exploration of Modulation Index in Multi-level Inverter using Particle Swarm Optimization Algorithm. Procedia Computer Science, 2017, 105, 144-152.	1.2	8
34	U-Model Based Adaptive Control of Gas Process Plant. Procedia Computer Science, 2017, 105, 119-124.	1.2	8
35	Underwater 3D scanning using Kinect v2 time of flight camera. Proceedings of SPIE, 2017, , .	0.8	2
36	Smart Wearable EEG Sensor. Procedia Computer Science, 2017, 105, 138-143.	1.2	6

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37	Visual feedback-based heading control of autonomous underwater vehicle for pipeline corrosion inspection. International Journal of Advanced Robotic Systems, 2017, 14, 172988141665817.	1.3	23
38	Underwater 3-D Scene Reconstruction Using Kinect v2 Based on Physical Models for Refraction and Time of Flight Correction. IEEE Access, 2017, 5, 15960-15970.	2.6	39
39	Electroencephalogram (EEG)-based computer-aided technique to diagnose major depressive disorder (MDD). Biomedical Signal Processing and Control, 2017, 31, 108-115.	3.5	139
40	Nonlinear adaptive control synthesis using U-model for multivariable underwater remotely operated vehicle. , 2017, , .		0
41	3D smart city simulator. , 2017, , .		7
42	A wavelet-based technique to predict treatment outcome for Major Depressive Disorder. PLoS ONE, 2017, 12, e0171409.	1.1	120
43	Underwater image enhancement by wavelet based fusion. , 2016, , .		28
44	Investigation on the dynamic stability of an underwater glider using CFD simulation. , 2016, , .		1
45	Massive MIMO systems for underwater acoustic communication. , 2016, , .		7
46	Underwater surveying and mapping using rotational potential fields for multiple autonomous vehicles. , 2016, , .		2
47	Real-time underwater 3D scene reconstruction using commercial depth sensor. , 2016, , .		5
48	Underactuated nonlinear adaptive control approach using U-model for multivariable underwater glider control parameters. , 2016, , .		6
49	Control of autonomous underwater vehicle based on visual feedback for pipeline inspection. , 2016, , .		3
50	Neurofeedback training content for treatment of stress. , 2016, , .		3
51	U-Model based online identification of Air Flow Plant. , 2016, , .		5
52	Plantar pressure distribution and gait stability: Normal VS high heel. , 2016, , .		4
53	Forearm pressure distribution during ambulation with elbow crutches. , 2016, , .		1
54	Stock market prediction using machine learning techniques. , 2016, , .		75

#	ARTICLE	IF	CITATIONS
55	Underwater online 3D mapping and scene reconstruction using low cost kinect RGB-D sensor. , 2016, , .		3
56	Underwater image enhancement and dehazing using wavelet based fusion for pipeline corrosion inspection. , 2016, , .		2
57	Evolving deep neural networks: A new prospect. , 2016, , .		22
58	Discrete-time H $\infty$ control of a class of underactuated electromechanical systems. , 2016, , .		0
59	Heading control of UUV and performance analysis subject to hydrodynamic disturbances. , 2015, , .		0
60	U-model based depth control of underwater glider. , 2015, , .		1
61	3-degree-of-freedom real-time human hand following robot arm using visual feedback. , 2015, , .		1
62	ADAPTIVE IDENTIFICATION OF UNDERWATER GLIDER USING U-MODEL FOR DEPTH & PITCH CONTROL UNDER HYDRODYNAMIC DISTURBANCES. Jurnal Teknologi (Sciences and Engineering), 2015, 74, .	0.3	8
63	Detrended fluctuation analysis for major depressive disorder. , 2015, 2015, 4162-5.		11
64	P300 intensities and latencies for major depressive disorder detection. , 2015, , .		3
65	Cloud task scheduling using nature inspired meta-heuristic algorithm. , 2015, , .		6
66	Wind farm layout design using modified particle swarm optimization algorithm. , 2015, , .		3
67	An Adaptive Learning Rate for RBFNN Using Time-Domain Feedback Analysis. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	19
68	Real-time automatic target detection and tracking using visual feedback. , 2014, , .		1
69	Robotic freehand drawing using visual feedback. , 2013, , .		2
70	A Comparative Study on Particle Swarm Optimization and Genetic Algorithms for Fixed Order Controller Design. Communications in Computer and Information Science, 2012, , 284-294.	0.4	1
71	U-Model Based 2DoF Multi-Variable IMC for Improved Input-Disturbance Rejection: A Case Study on a 2-Link Robot Manipulator. International Journal of Advanced Robotic Systems, 2011, 8, 48.	1.3	3
72	Simulated annealing based fixed order controller design and system simulations. , 2011, , .		0

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73	U-model based learning feedforward control of MIMO nonlinear systems. Electrical Engineering, 2010, 91, 405-415.	1.2	22
74	Immune algorithm based fixed order controller design and system simulation. , 2010, , .		2
75	Particle swarm optimization based fixed order controller design and system simulation. , 2010, , .		1
76	Intelligent Iris Recognition Using Neural Networks. , 2005, , 145-167.		1
77	Study on Wing Aspect Ratio on the Performance of a Gliding Robotic Fish. Applied Mechanics and Materials, 0, 786, 248-253.	0.2	5
78	Wind Farm Layout Design Using Cuckoo Search Algorithms. Applied Artificial Intelligence, 0, , 1-24.	2.0	8