

# Vijander Singh

## List of Publications by Citations

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53  
papers

1,281  
citations

17  
h-index

35  
g-index

59  
ext. papers

1,701  
ext. citations

2.9  
avg, IF

5.4  
L-index

#	Paper	IF	Citations
53	A novel nature-inspired algorithm for optimization: Squirrel search algorithm. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 44, 148-175	9.8	359
52	Prospects and limitations of non-invasive blood glucose monitoring using near-infrared spectroscopy. <i>Biomedical Signal Processing and Control</i> , <b>2015</b> , 18, 214-227	4.9	165
51	ANN-based estimator for distillation using Levenberg-Marquardt approach. <i>Engineering Applications of Artificial Intelligence</i> , <b>2007</b> , 20, 249-259	7.2	79
50	Owl search algorithm: A novel nature-inspired heuristic paradigm for global optimization. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2018</b> , 34, 1573-1582	1.6	63
49	Development of soft sensor for neural network based control of distillation column. <i>ISA Transactions</i> , <b>2013</b> , 52, 438-49	5.5	63
48	Application of adaptive Savitzky-Golay filter for EEG signal processing. <i>Perspectives in Science</i> , <b>2016</b> , 8, 677-679	0.8	62
47	Bioreactor temperature control using modified fractional order IMC-PID for ethanol production. <i>Chemical Engineering Research and Design</i> , <b>2017</b> , 122, 97-112	5.5	39
46	Near-infrared LED based non-invasive blood glucose sensor <b>2014</b> ,		31
45	An improved Crow Search Algorithm for high-dimensional problems. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2017</b> , 33, 3597-3614	1.6	31
44	Two degree of freedom PID based inferential control of continuous bioreactor for ethanol production. <i>ISA Transactions</i> , <b>2017</b> , 68, 235-250	5.5	30
43	An efficient similarity measure approach for PCB surface defect detection. <i>Pattern Analysis and Applications</i> , <b>2018</b> , 21, 277-289	2.3	29
42	An efficient approach for face recognition based on common eigenvalues. <i>Pattern Recognition</i> , <b>2014</b> , 47, 1869-1879	7.7	29
41	EEG signal enhancement using cascaded S-Golay filter. <i>Biomedical Signal Processing and Control</i> , <b>2017</b> , 36, 194-204	4.9	22
40	An expert 2DOF fractional order fuzzy PID controller for nonlinear systems. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 4253-4270	4.8	21
39	Modified fractional order IMC design based drug scheduling for cancer treatment. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 109, 121-137	7	20
38	Two Degrees-of-Freedom Fractional-Order Proportional-Integral-Derivative-Based Temperature Control of Fermentation Process. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2018</b> , 140,	1.6	17
37	Performance Evaluation and Implementation of FPGA Based SGSF in Smart Diagnostic Applications. <i>Journal of Medical Systems</i> , <b>2016</b> , 40, 63	5.1	17

36	Investigations on Multisensor-Based Noninvasive Blood Glucose Measurement System. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2017</b> , 11,	1.3	15
35	Robust self-tuning fractional order PID controller dedicated to non-linear dynamic system. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2018</b> , 34, 1467-1478	1.6	14
34	Performance Analysis of Fuzzy-PID Controller for Blood Glucose Regulation in Type-1 Diabetic Patients. <i>Journal of Medical Systems</i> , <b>2016</b> , 40, 254	5.1	13
33	Image focus measure based on polynomial coefficients and spectral radius. <i>Signal, Image and Video Processing</i> , <b>2015</b> , 9, 203-211	1.6	12
32	Nonrigid image registration using efficient similarity measure and Levenberg-Marquardt optimization. <i>Biomedical Engineering Letters</i> , <b>2012</b> , 2, 118-123	3.6	12
31	Design of fractional order 2-DOF PI controller for real-time control of heat flow experiment <b>2019</b> , 22, 215-228		11
30	Optimal algorithm for ECG denoising using Discrete Wavelet Transforms <b>2010</b> ,		11
29	Optimal drug scheduling for cancer chemotherapy using two degree of freedom fractional order PID scheme. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2019</b> , 36, 2273-2284	1.6	9
28	Wrapper based wavelet feature optimization for EEG signals. <i>Biomedical Engineering Letters</i> , <b>2012</b> , 2, 24-37	3.6	8
27	Emotion recognition using eigenvalues and LevenbergMarquardt algorithm-based classifier. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2016</b> , 41, 415-423	1	8
26	Robust nonlinear fractional order fuzzy PD plus fuzzy I controller applied to robotic manipulator. <i>Neural Computing and Applications</i> , <b>2020</b> , 32, 2055-2079	4.8	8
25	FPRSGF denoised non-subsampled shearlet transform-based image fusion using sparse representation. <i>Signal, Image and Video Processing</i> , <b>2020</b> , 14, 719-726	1.6	7
24	Fractional order PID (FOPID) controller based temperature control of bioreactor <b>2016</b> ,		7
23	Hardware efficient denoising system for real EOG signal processing. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2017</b> , 32, 2857-2862	1.6	6
22	LevenbergMarquardt-Based Non-Invasive Blood Glucose Measurement System. <i>IETE Journal of Research</i> , <b>2018</b> , 64, 116-123	0.9	6
21	Identification of optimal wavelet-based algorithm for removal of power line interferences in ECG signals <b>2011</b> ,		6
20	An improved hyper smoothing function based edge detection algorithm for noisy images. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2020</b> , 38, 6325-6335	1.6	6
19	Design of intelligent diabetes mellitus detection system using hybrid feature selection based XGBoost classifier. <i>Computers in Biology and Medicine</i> , <b>2021</b> , 136, 104664	7	6

18	A computationally efficient approach for template matching-based image registration. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2014</b> , 39, 317-331	1	5
17	Multi-objective Cuckoo Search Algorithm-Based 2-DOF FOPD Controller for Robotic Manipulator. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 345-352	0.2	4
16	FPGA Based Wireless Emergency Medical System for Developing Countries <b>2015</b> ,		3
15	SGS-SRAD Filter for Denoising and Edge Preservation of Ultrasound Images <b>2019</b> ,		2
14	Improved Depth Local Binary Pattern for Edge Detection of Depth Image <b>2020</b> ,		2
13	A Modified Incremental Conductance Maximum Power Point Technique for Standalone PV System <b>2020</b> ,		2
12	Brain connectivity during encoding and retrieval of spatial information: individual differences in navigation skills. <i>Brain Informatics</i> , <b>2017</b> , 4, 207-217	5.9	2
11	GA-Tuned 2DOFPID-Based Biomass Concentration Control of Bioreactor. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 879-885	0.4	2
10	An efficient similarity measure technique for medical image registration. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2012</b> , 37, 709-721	1	2
9	Optimum multi-drug regime for compartment model of tumour: cell-cycle-specific dynamics in the presence of resistance. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2021</b> , 48, 543-562	2.7	2
8	Brain connectivity in spatial orientation task <b>2016</b> ,		2
7	Optimizing Drug Schedule for Cell-Cycle Specific Cancer Chemotherapy. <i>Advances in Intelligent Systems and Computing</i> , <b>2021</b> , 71-81	0.4	2
6	Performance analysis of DWT and FMH in classifying hand motions using sEMG signals. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2019</b> , 36, 2125-2135	1.6	1
5	Respiratory Effort Signal Based Sleep Apnea Detection System Using Improved Random Forest Classifier. <i>IETE Journal of Research</i> , 1-14	0.9	1
4	Design of Low Cost Blood Glucose Sensing System Using Diffused Reflectance Near-Infrared Light. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2018</b> , 197-216	0.4	1
3	Classification of SGS-SRAD Denoised MRI Using GWO Optimized SVM. <i>IETE Journal of Research</i> , <b>2020</b> , 1-11	0.9	1
2	Local Diagonal Maxima-Minima Pattern-based Edge Detection Technique for Ultrasound and Digital Radiography Images. <i>IETE Journal of Research</i> , 1-11	0.9	1
1	Greedy WOA for Travelling Salesman Problem. <i>Communications in Computer and Information Science</i> , <b>2018</b> , 321-330	0.3	1

