Ehsan Eftekhari-Zadeh

List of Publications by Year
in descending order

18 papers	232 citations	1039880 9 h-index	996849 15 g-index
18 all docs	18 docs citations	18 times ranked	33 citing authors

#	Article	IF	Citations
1	Application of Neural Network and Time-Domain Feature Extraction Techniques for Determining Volumetric Percentages and the Type of Two Phase Flow Regimes Independent of Scale Layer Thickness. Applied Sciences (Switzerland), 2022, 12, 1336.	1.3	44
2	Laser energy absorption and x-ray generation in nanowire arrays irradiated by relativistically intense ultra-high contrast femtosecond laser pulses. Physics of Plasmas, 2022, 29, .	0.7	9
3	Applying Data Mining and Artificial Intelligence Techniques for High Precision Measuring of the Two-Phase Flow's Characteristics Independent of the Pipe's Scale Layer. Electronics (Switzerland), 2022, 11, 459.	1.8	16
4	Central Nervous System: Overall Considerations Based on Hardware Realization of Digital Spiking Silicon Neurons (DSSNs) and Synaptic Coupling. Mathematics, 2022, 10, 882.	1.1	1
5	Introducing a Precise System for Determining Volume Percentages Independent of Scale Thickness and Type of Flow Regime. Mathematics, 2022, 10, 1770.	1.1	18
6	Enhanced Gamma-Ray Attenuation-Based Detection System Using an Artificial Neural Network. Photonics, 2022, 9, 382.	0.9	5
7	Nanosecond Living Hot and Dense Plasma and High Energy Particles from Relativistic Laser-Nanowire Interaction. , 2022, , .		1
8	Accurate Flow Regime Classification and Void Fraction Measurement in Two-Phase Flowmeters Using Frequency-Domain Feature Extraction and Neural Networks. Separations, 2022, 9, 160.	1.1	3
9	Increasing the Efficiency of a Control System for Detecting the Type and Amount of Oil Product Passing through Pipelines Based on Gamma-Ray Attenuation, Time Domain Feature Extraction, and Artificial Neural Networks. Polymers, 2022, 14, 2852.	2.0	5
10	Feasibility Study of Using X-ray Tube and GMDH for Measuring Volume Fractions of Annular and Stratified Regimes in Three-Phase Flows. Symmetry, 2021, 13, 613.	1.1	11
11	Proposing a Nondestructive and Intelligent System for Simultaneous Determining Flow Regime and Void Fraction Percentage of Gas–Liquid Two Phase Flows Using Polychromatic X-Ray Transmission Spectra. Journal of Nondestructive Evaluation, 2021, 40, 1.	1.1	4
12	Simulation Study of Utilizing X-ray Tube in Monitoring Systems of Liquid Petroleum Products. Processes, 2021, 9, 828.	1.3	25
13	Application of Gamma Attenuation Technique and Artificial Intelligence to Detect Scale Thickness in Pipelines in Which Two-Phase Flows with Different Flow Regimes and Void Fractions Exist. Symmetry, 2021, 13, 1198.	1.1	29
14	Proposing an Intelligent Dual-Energy Radiation-Based System for Metering Scale Layer Thickness in Oil Pipelines Containing an Annular Regime of Three-Phase Flow. Mathematics, 2021, 9, 2391.	1.1	12
15	Controlling Effects of Astrocyte on Neuron Behavior in Tripartite Synapse Using VHDL–AMS. Mathematics, 2021, 9, 2700.	1.1	2
16	Application of Wavelet Feature Extraction and Artificial Neural Networks for Improving the Performance of Gas–Liquid Two-Phase Flow Meters Used in Oil and Petrochemical Industries. Polymers, 2021, 13, 3647.	2.0	37
17	Optimization of X-ray Tube Voltage to Improve the Precision of Two Phase Flow Meters Used in Petroleum Industry. Sustainability, 2021, 13, 13622.	1.6	10
18	A review on the status and future trends of radiation processing in Iran. Journal of Radiation Research and Applied Sciences, 2017, 10, 331-337.	0.7	0