Phatiphat Thounthong

List of Publications by Year
in descending order

232	6,600	76326 40	88630 70
papers	citations	h-index	g-index

234	234	234	4062
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical study of multi-dimensional hyperbolic telegraph equations arising in nuclear material science via an efficient local meshless method. International Journal of Nonlinear Sciences and Numerical Simulation, 2022, 23, 115-122.	1.0	12
2	Solution of Burgersâ€™ equation appears in fluid mechanics by multistage optimal homotopy asymptotic method. Thermal Science, 2022, 26, 815-821.	1.1	12
3	Dynamics of Tri-Hybrid Nanoparticles in the Rheology of Pseudo-Plastic Liquid with Dufour and Soret Effects. Micromachines, 2022, 13, 201.	2.9	42
4	A Galerkin strategy for tri-hybridized mixture in ethylene glycol comprising variable diffusion and thermal conductivity using non-Fourierâ€™s theory. Nanotechnology Reviews, 2022, 11, 834-845.	5.8	44
5	Design, Modeling, and Model-Free Control of Permanent Magnet-Assisted Synchronous Reluctance Motor for e-Vehicle Applications. Sustainability, 2022, 14, 5423.	3.2	1
6	Application of Fractional-Order PI Controllers and Neuro-Fuzzy PWM Technique to Multi-Rotor Wind Turbine Systems. Electronics (Switzerland), 2022, 11, 1340.	3.1	21
7	Simplified Super Twisting Sliding Mode Approaches of the Double-Powered Induction Generator-Based Multi-Rotor Wind Turbine System. Sustainability, 2022, 14, 5014.	3.2	17
8	Direct Power Control Based on Modified Sliding Mode Controller for a Variable-Speed Multi-Rotor Wind Turbine System Using PWM Strategy. Energies, 2022, 15, 3689.	3.1	18
9	Analysis of Solar Cells Battery Charger with DC-DC Isolated Forward Resonant Reset Converter with Large Signal Technique for Linear Controller Design. , 2022, , .		0
10	Model-Based and Model-Free of Torque and Speed Controls for PMa-SynRM Drive System. , 2022, , .		0
11	Adaptive Voltage Controller for Flux-weakening Operation in PMa-SynRM Drives. , 2022, , .		0
12	Power equalizer for a series fuel cell architecture based on load tracking control. Renewable and Sustainable Energy Reviews, 2022, 166, 112644.	16.4	4
13	Blockchain-Enabled Smart Grid Applications: Architecture, Challenges, and Solutions. Sustainability, 2022, 14, 8801.	3.2	26
14	Novel insights into the computational techniques in unsteady MHD secondâ€grade fluid dynamics with oscillatory boundary conditions. Heat Transfer, 2021, 50, 2502-2524.	3.0	5
15	An exact analysis of radiative heat transfer and unsteady MHD convective flow of a secondâ€grade fluid with ramped wall motion and temperature. Heat Transfer, 2021, 50, 196-219.	3.0	10
16	Design and control of multiphase interleaved boost converters-based on differential flatness theory for PEM fuel cell multi-stack applications. International Journal of Electrical Power and Energy Systems, 2021, 124, 106346.	5.5	26
17	A new analytical approach for the research of thinâ€film flow of magneto hydrodynamic fluid in the presence of thermal conductivity and variable viscosity. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e201900292.	1.6	12
18	A novel algorithm for the computation of systems containing different types of integral and integroâ€differential equations. Heat Transfer, 2021, 50, 3065-3078.	3.0	12

#	Article	IF	Citations
19	Magnetohydrodynamic mixed convective peristaltic slip transport of carbon nanotubes dispersed in water through an inclined channel with Joule heating. Heat Transfer, 2021, 50, 2064-2089.	3.0	5
20	Utilization of updated version of heat flux model for the radiative flow of a non-Newtonian material under Joule heating: OHAM application. Open Physics, 2021, 19, 100-110.	1.7	22
21	Magnetic field promoted irreversible process of water based nanocomposites with heat and mass transfer flow. Scientific Reports, 2021, 11, 1692.	3.3	13
22	Numerical simulation of 3-D fractional-order convection-diffusion PDE by a local meshless method. Thermal Science, 2021, 25, 347-358.	1.1	27
23	Numerical solution of time-fractional coupled Kortewegâ€“de Vries and Kleinâ€“Gordon equations by local meshless method. Pramana - Journal of Physics, 2021, 95, 1.	1.8	28
24	Hybrid Gravitationalâ€“Firefly Algorithm-Based Load Frequency Control for Hydrothermal Two-Area System. Mathematics, 2021, 9, 712.	2.2	23
25	A Simple and Safe Strategy for Improving the Fuel Economy of a Fuel Cell Vehicle. Mathematics, 2021, 9, 604.	2.2	3
26	Load Frequency Control Using Hybrid Intelligent Optimization Technique for Multi-Source Power Systems. Energies, 2021, 14, 1581.	3.1	39
27	Exploration of Temperature-Dependent Thermal Conductivity and Diffusion Coefficient for Thermal and Mass Transportation in Sutterby Nanofluid Model over a Stretching Cylinder. Complexity, 2021, 2021, 1-14.	1.6	11
28	Modelling of vibrations of rotating nanoscale beams surrounded by a magnetic field and subjected to a harmonic thermal field using a state-space approach. European Physical Journal Plus, 2021, 136, 1.	2.6	16
29	FRACTIONAL MAGNETOHYDRODYNAMIC FLOW OF A SECOND GRADE FLUID IN A POROUS MEDIUM WITH VARIABLE WALL VELOCITY AND NEWTONIAN HEATING. Fractals, 2021, 29, 2150060.	3.7	4
30	Portâ€“Hamiltonian Formulation of Adaptive PI Controller for Constant Power Load Stability Issue: Case Study for Multiphase Fuel Cell Converters. , 2021, , .		2
31	A Comprehensive Review of the Evolution of Networked Control System Technology and Its Future Potentials. Sustainability, 2021, 13, 2962.	3.2	16
32	A New Active Control Driver Circuit for Satelliteâ€™s Torquer System Using Second Generation Current Conveyor. Electronics (Switzerland), 2021, 10, 911.	3.1	1
33	Port-Hamiltonian Formulation of Adaptive Hamiltonian PID controller to Solve Constant Power Load Stability Issue in DC Microgrid: Control of a Fuel Cell Converter. , 2021, , .		2
34	Numerical Solution of the Multiterm Time-Fractional Model for Heat Conductivity by Local Meshless Technique. Complexity, 2021, 2021, 1-10.	1.6	4
35	Effect of rotational slip on the physical parameter in a micropolar fluid flow past a stretching sheet. International Journal of Modern Physics B, 2021, 35, 2150169.	2.0	0
36	Analyzing the Effect of Parasitic Capacitance in a Full-Bridge Class-D Current Source Rectifier on a High Step-Up Pushâ€“Pull Multiresonant Converter. Sustainability, 2021, 13, 5477.	3.2	3

#	Article	IF	Citations
37	Intelligent charging station in <scp>5G</scp> environments: Challenges and perspectives. International Journal of Energy Research, 2021, 45, 16418-16435.	4.5	8
38	Rotating flow assessment of magnetized mixture fluid suspended with hybrid nanoparticles and chemical reactions of species. Scientific Reports, 2021, 11, 11277.	3.3	16
39	A Framework for the Magnetic Dipole Effect on the Thixotropic Nanofluid Flow Past a Continuous Curved Stretched Surface. Crystals, 2021, 11, 645.	2.2	15
40	Computational optimization for the deposition of bioconvection thin Oldroyd-B nanofluid with entropy generation. Scientific Reports, 2021, 11, 11641.	3.3	14
41	Exploring the nanomechanical concepts of development through recent updates in magnetically guided system. Scientific Reports, 2021, 11, 13576.	3.3	5
42	Robust Hamiltonian Energy Control Based on Lyapunov Function for Four-Phase Parallel Fuel Cell Boost Converter for DC Microgrid Applications. IEEE Transactions on Sustainable Energy, 2021, 12, 1500-1511.	8.8	21
43	Improved Adaptive Hamiltonian Control Law for Constant Power Load Stability Issue in DC Microgrid: Case Study for Multiphase Interleaved Fuel Cell Boost Converter. Sustainability, 2021, 13, 8093.	3.2	4
44	Mechanical aspects of Maxwell nanofluid in dynamic system with irreversible analysis. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e202000212.	1.6	24
45	Multi-Objective Energy Management Strategy for PV/FC Hybrid Power Systems. Electronics (Switzerland), 2021, 10, 1721.	3.1	0
46	A Three-Phase Resonant Boost Inverter Fed Brushless DC Motor Drive for Electric Vehicles. Electronics (Switzerland), 2021, 10, 1799.	3.1	1
47	Design, Modeling, and Differential Flatness Based Control of Permanent Magnet-Assisted Synchronous Reluctance Motor for e-Vehicle Applications. Sustainability, 2021, 13, 9502.	3.2	5
48	Nanoparticles shape effects on thermal performance of Brinkman-type ferrofluid under heat injection/consumption and thermal radiation: A fractional model with non-singular kernel and non-uniform temperature and velocity conditions. Journal of Molecular Liquids, 2021, 335, 116107.	4.9	11
49	Significant Involvement of Double Diffusion Theories on Viscoelastic Fluid Comprising Variable Thermophysical Properties. Micromachines, 2021, 12, 951.	2.9	25
50	Applications of Cattaneoâ€“Christov fluxes on modelling the boundary value problem of Prandtl fluid comprising variable properties. Scientific Reports, 2021, 11, 17837.	3.3	17
51	Fuel Cell Electric Vehiclesâ€”A Brief Review of Current Topologies and Energy Management Strategies. Energies, 2021, 14, 252.	3.1	141
52	Fractional Modeling and Exact Solutions to Analyze Thermal Performance of Fe₃O₄-MoS₂-Water Hybrid Nanofluid Flow Over an Inclined Surface With Ramped Heating and Ramped Boundary Motion. IEEE Access, 2021, 9, 12389-12404.	4.2	13
53	Impact of thermal radiation and non-uniform heat flux on MHD hybrid nanofluid along a stretching cylinder. Scientific Reports, 2021, 11, 20262.	3.3	28
54	Numerical exploration of thermal and mass transportation by utilising non-Fourier double diffusion theories for Casson model under Hall and ion slip effects. Pramana - Journal of Physics, 2021, 95, 1.	1.8	7

#	Article	IF	Citations
55	Some Hermiteâ€“Hadamard-Type Fractional Integral Inequalities Involving Twice-Differentiable Mappings. Symmetry, 2021, 13, 2209.	2.2	9
56	Heat source and sink effects on periodic mixed convection flow along the electrically conducting cone inserted in porous medium. PLoS ONE, 2021, 16, e0260845.	2.5	9
57	The numerical reckoning of modified proximal point methods for minimization problems in non-positive curvature metric spaces. International Journal of Computer Mathematics, 2020, 97, 245-262.	1.8	4
58	Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. Computer Methods and Programs in Biomedicine, 2020, 186, 105197.	4.7	68
59	Construction of exact traveling wave solutions of the Bogoyavlenskii equation by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si7.svg"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:msup><mml:mrow><mml:mi>G</mml:mi></mml:mrow><mml:mrow><mml:mo>′</mml:mo></mml:mrow></mml:msup><mml:mo>/</mml:mo><mml:mi>G</mml:mi><mml:mo stretchy="false">)</mml:mo><mml:mo>,</mml:mo></mml:mrow></mml:math> xmlns:mml="http://www.w3.. Results in Physics, 2020, 19, 103409.	4.1	61
60	Numerical study of integer-order hyperbolic telegraph model arising in physical and related sciences. European Physical Journal Plus, 2020, 135, 1.	2.6	19
61	Analysing time-fractional exotic options via efficient local meshless method. Results in Physics, 2020, 19, 103385.	4.1	61
62	Theoretical and numerical investigation of entropy for the variable thermophysical characteristics of couple stress material: Applications to optimization. AEJ - Alexandria Engineering Journal, 2020, 59, 4365-4375.	6.4	36
63	Brownian motion and thermophoretic diffusion influence on thermophysical aspects of electrically conducting viscoinelastic nanofluid flow over a stretched surface. Journal of Materials Research and Technology, 2020, 9, 11948-11957.	5.8	31
64	Soret, Dufour, and activation energy effects on double diffusive convective couple stress micropolar nanofluid flow in a Hall MHD generator system. AIP Advances, 2020, 10, .	1.3	10
65	Adaptive Control of Fuel Cell Converter Based on a New Hamiltonian Energy Function for Stabilizing the DC Bus in DC Microgrid Applications. Mathematics, 2020, 8, 2035.	2.2	15
66	Efficient Operation of the Hybrid Power System Using an Optimal Fueling Strategy and Control of the Fuel Cell Power Based on the Required Power Tracking Algorithm. Sustainability, 2020, 12, 9690.	3.2	7
67	Improving the Fuel Economy and Battery Lifespan in Fuel Cell/Renewable Hybrid Power Systems Using the Power-Following Control of the Fueling Regulators. Applied Sciences (Switzerland), 2020, 10, 8310.	2.5	5
68	Utilization of hall current and ions slip effects for the dynamic simulation of peristalsis in a compliant channel. AEJ - Alexandria Engineering Journal, 2020, 59, 3609-3622.	6.4	17
69	Theoretical exploration of thermal transportation with chemical reactions for sutterby fluid model obeying peristaltic mechanism. Journal of Materials Research and Technology, 2020, 9, 7449-7459.	5.8	52
70	Generalized Unsteady MHD Natural Convective Flow of Jeffery Model with ramped wall velocity and Newtonian heating; A Caputo-Fabrizio Approach. Chinese Journal of Physics, 2020, 68, 849-865.	3.9	15
71	Solution of Multi-Term Time-Fractional PDE Models Arising in Mathematical Biology and Physics by Local Meshless Method. Symmetry, 2020, 12, 1195.	2.2	84
72	Computational Approach to Dynamic Systems through Similarity Measure and Homotopy Analysis Method for Renewable Energy. Crystals, 2020, 10, 1086.	2.2	14

#	Article	IF	Citations
73	On error estimations of Simpson's second type quadrature formula. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	3
74	Meshless Technique for the Solution of Time-Fractional Partial Differential Equations Having Real-World Applications. Journal of Function Spaces, 2020, 2020, 1-17.	0.9	21
75	Lorentz Forces Effects on the Interactions of Nanoparticles in Emerging Mechanisms with Innovative Approach. Symmetry, 2020, 12, 1700.	2.2	16
76	Heat Transfer Analysis of Unsteady Natural Convection Flow of Oldroyd-B Model in the Presence of Newtonian Heating and Radiation Heat flux. IEEE Access, 2020, , 1-1.	4.2	1
77	Differential Flatness-Based Cascade Energy/Current Control of Battery/Supercapacitor Hybrid Source for Modern eâ€“Vehicle Applications. Mathematics, 2020, 8, 704.	2.2	20
78	Slip and Hall Effects on Peristaltic Rheology of Copper-Water Nanomaterial Through Generalized Complaint Walls With Variable Viscosity. Frontiers in Physics, 2020, 7, .	2.1	23
79	Unsteady MHD carbon nanotubes suspended nanofluid flow with thermal stratification and nonlinear thermal radiation. AEJ - Alexandria Engineering Journal, 2020, 59, 1557-1566.	6.4	30
80	Differential Flatness Based-Control Strategy of a Two-Port Bidirectional Supercapacitor Converter for Hydrogen Mobility Applications. Energies, 2020, 13, 2794.	3.1	8
81	Modeling and Control of Multiphase Interleaved Fuel-Cell Boost Converter Based on Hamiltonian Control Theory for Transportation Applications. IEEE Transactions on Transportation Electrification, 2020, 6, 519-529.	7.8	34
82	Entropy generation in bioconvection nanofluid flow between two stretchable rotating disks. Scientific Reports, 2020, 10, 4448.	3.3	67
83	Implementing Blockchain Technology in Irrigation Systems That Integrate Photovoltaic Energy Generation Systems. Sustainability, 2020, 12, 1540.	3.2	37
84	The Renewable Energy Source Selection by Remoteness Index-Based VIKOR Method for Generalized Intuitionistic Fuzzy Soft Sets. Symmetry, 2020, 12, 977.	2.2	25
85	Entropy generation optimization in MHD pseudoplastic fluid comprising motile microorganisms with stratification effect. AEJ - Alexandria Engineering Journal, 2020, 59, 485-496.	6.4	58
86	Analysis and numerical simulations of fractional order Vallis system. AEJ - Alexandria Engineering Journal, 2020, 59, 2591-2605.	6.4	14
87	A comprehensive study to the assessment of Arrhenius activation energy and binary chemical reaction in swirling flow. Scientific Reports, 2020, 10, 7868.	3.3	23
88	MHD Effects on Ciliary-Induced Peristaltic Flow Coatings with Rheological Hybrid Nanofluid. Coatings, 2020, 10, 186.	2.6	60
89	Unsteady Radiative Natural Convective MHD Nanofluid Flow Past a Porous Moving Vertical Plate with Heat Source/Sink. Molecules, 2020, 25, 854.	3.8	22
90	Second law analysis with effects of Arrhenius activation energy and binary chemical reaction on nanofluid flow. Scientific Reports, 2020, 10, 1226.	3.3	49

#	Article	IF	Citations
91	Energy Efficiency and Fuel Economy of a Fuel Cell/Renewable Energy Sources Hybrid Power System with the Load-Following Control of the Fueling Regulators. Mathematics, 2020, 8, 151.	2.2	25
92	Impact of Cattaneo-Christov heat flux on non-isothermal convective micropolar fluid flow in a hall MHD generator system. Journal of Materials Research and Technology, 2020, 9, 5452-5462.	5.8	14
93	Mathematical and Engineering Aspects of Chemically Reactive Tangent Hyperbolic Nanofluid over a Cone and Plate with Mixed Convection. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	3
94	Thin film flow of the waterâ€based carbon nanotubes hybrid nanofluid under the magnetic effects. Heat Transfer, 2020, 49, 3211-3227.	3.0	36
95	Analytic approximate solutions for some nonlinear Parabolic dynamical wave equations. Journal of Taibah University for Science, 2020, 14, 346-358.	2.5	172
96	On generalizations of some inequalities for convex functions via quantum integrals. Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas, 2020, 114, 1.	1.2	26
97	Double Diffusion Non-Isothermal Thermo-Convective Flow of Couple Stress Micropolar Nanofluid Flow in a Hall MHD Generator System. IEEE Access, 2020, 8, 78821-78835.	4.2	6
98	Radiative heat transfer enhancement in MHD porous channel flow of an Oldroyd-B fluid under generalized boundary conditions. Physica Scripta, 2020, 95, 115211.	2.5	17
99	Generalized thermoviscoelastic model with memory dependent derivatives and multi-phase delay for an excited spherical cavity. Physica Scripta, 2020, 95, 115708.	2.5	19
100	Computational exploration for radiative flow of Sutterby nanofluid with variable temperature-dependent thermal conductivity and diffusion coefficient. Open Physics, 2020, 18, 1073-1083.	1.7	54
101	Numerical solution of two-term time-fractional PDE models arising in mathematical physics using local meshless method. Open Physics, 2020, 18, 1063-1072.	1.7	16
102	Design and control of permanent magnet assisted synchronous reluctance motor with copper loss minimization using MTPA. Journal of Electrical Engineering, 2020, 71, 11-19.	0.7	18
103	Hamiltonian Control Law Based on Lyapunovâ€"Energy Function for Four-Phase Parallel Fuel Cell Boost Converter. , 2020, , .		1
104	Comparative Study of Model-Based Control of Energy/Current Cascade Control for a Multiphase Interleaved Fuel Cell Boost Converter. , 2020, , .		1
105	Algorithms for zeros of two accretive operators for solving convex minimization problems and its application to image restoration problems. Journal of Computational and Applied Mathematics, 2019, 354, 471-495.	2.0	19
106	A Modified Self-Adaptive Conjugate Gradient Method for Solving Convex Constrained Monotone Nonlinear Equations for Signal Recovery Problems. Mathematics, 2019, 7, 693.	2.2	16
107	Modeling the transmission of dengue infection through fractional derivatives. Chaos, Solitons and Fractals, 2019, 127, 189-216.	5.1	56
108	A comparison study of bank data in fractional calculus. Chaos, Solitons and Fractals, 2019, 126, 369-384.	5.1	30

#	Article	IF	Citations
109	Better Fuel Economy by Optimizing Airflow of the Fuel Cell Hybrid Power Systems Using Fuel Flow-Based Load-Following Control. Energies, 2019, 12, 2792.	3.1	12
110	Numerical Simulation of Magnetohydrodynamic Nanofluids Under the Influence of Shape Factor and Thermal Transport in a Porous Media Using CVFEM. Frontiers in Physics, 2019, 7, .	2.1	21
111	Renewable energy technology for the sustainable development of thermal system with entropy measures. International Journal of Heat and Mass Transfer, 2019, 145, 118713.	4.8	33
112	Keller-Box Analysis of Buongiorno Model with Brownian and Thermophoretic Diffusion for Casson Nanofluid over an Inclined Surface. Symmetry, 2019, 11, 1370.	2.2	16
113	Impact of Volume Fraction and Hall Effect on Two-Phase Radiative Dusty Nanofluid Flow Over a Stretching Sheet. IEEE Access, 2019, 7, 138273-138287.	4.2	8
114	Darcyâ€“Forchheimer MHD Couple Stress 3D Nanofluid over an Exponentially Stretching Sheet through Cattaneoâ€“Christov Convective Heat Flux with Zero Nanoparticles Mass Flux Conditions. Entropy, 2019, 21, 867.	2.2	30
115	Numerical Solution of Casson Nanofluid Flow Over a Non-linear Inclined Surface With Soret and Dufour Effects by Keller-Box Method. Frontiers in Physics, 2019, 7, .	2.1	57
116	Fractional investigations of zoonotic visceral leishmaniasis disease with singular and non-singular kernel. European Physical Journal Plus, 2019, 134, 1.	2.6	17
117	Hall and Ion-Slip Effect on CNTS Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. Entropy, 2019, 21, 801.	2.2	22
118	Convergence Theorems for Generalized Viscosity Explicit Methods for Nonexpansive Mappings in Banach Spaces and Some Applications. Mathematics, 2019, 7, 161.	2.2	5
119	High Step-Up DC-DC Push-Pull Resonant Based on low Cost half-wave Class-D Rectifier. , 2019, , .		1
120	DC-DC High Conversion Ratio Push-Pull Resonant Converter Based on Voltage Double Rectifier. , 2019, , .		2
121	Model Based Control of Battery/Supercapacitor Hybrid Source for Modern e-Vehicle. , 2019, , .		1
122	Model-Free Control of Multiphase Interleaved Boost Converter for Fuel Cell/Reformer Power Generation. , 2019, , .		7
123	Model Free-Based Torque Control of Permanent Magnet Synchronous Motor Drives. , 2019, , .		2
124	Study of Hamiltonian Energy Control of Multiphase Interleaved Fuel Cell Boost Converter. , 2019, , .		7
125	Differential Flatness-Based Energy/Current Cascade Control for Multiphase Interleaved Boost Fuel Cell Converter. , 2019, , .		1
126	Maximum Torque per Ampere and Field-weakening Controls for the High-Speed Operation of Permanent-Magnet Assisted Synchronous Reluctance Motors. , 2019, , .		2

#	Article	IF	Citations
127	Model-Based Control of Permanent-Magnet Assisted Synchronous Reluctance Motors. , 2019, , .		0
128	Convergence analysis of modified iterative approaches in geodesic spaces with curvature bounded above. Mathematical Methods in the Applied Sciences, 2019, 42, 5929-5943.	2.3	2
129	Exploration of temperature dependent thermophysical characteristics of yield exhibiting non-Newtonian fluid flow under gyrotactic microorganisms. AIP Advances, 2019, 9, .	1.3	56
130	Study of the Couple Stress Convective Micropolar Fluid Flow in a Hall MHD Generator System. Frontiers in Physics, 2019, 7, .	2.1	22
131	Optimization of entropy generation in flow of micropolar mixed convective magnetite (Fe3O4) ferroparticle over a vertical plate. AEJ - Alexandria Engineering Journal, 2019, 58, 1461-1470.	6.4	39
132	CFD Simulation of Water-Based Hybrid Nanofluid Inside a Porous Enclosure Employing Lorentz Forces. IEEE Access, 2019, 7, 177177-177186.	4.2	28
133	Hydrogen economy of the fuel cell hybrid power system optimized by air flow control to mitigate the effect of the uncertainty about available renewable power and load dynamics. Energy Conversion and Management, 2019, 179, 152-165.	9.2	44
134	Permanent Magnet Synchronous Motor Dynamic Modeling with State Observer-based Parameter Estimation for AC Servomotor Drive Application. Applied Science and Engineering Progress, 2019, 12, .	0.8	16
135	MHD Flow and Heat Transfer in Sodium Alginate Fluid with Thermal Radiation and Porosity Effects: Fractional Model of Atanganaâ€“Baleanu Derivative of Non-Local and Non-Singular Kernel. Symmetry, 2019, 11, 1295.	2.2	19
136	Nonlinear Differential Flatness-Based Speed/Torque Control With State-Observers of Permanent Magnet Synchronous Motor Drives. IEEE Transactions on Industry Applications, 2018, 54, 2874-2884.	4.9	48
137	Fixed point results in fuzzy metric spaces via Î± and Î²Î³â€“admissible mappings with application to integral types. Journal of Intelligent and Fuzzy Systems, 2018, 34, 467-475.	1.4	2
138	A Single-Stage LED Driver Based on ZCDS Class-E Current-Driven Rectifier as a PFC for Street-Lighting Applications. IEEE Transactions on Power Electronics, 2018, 33, 8710-8727.	7.9	32
139	Alternating Minimization Algorithms for Convex Minimization Problem with Application to Image Deblurring and Denoising. , 2018, , .		0
140	The Nehari manifold for a boundary value problem involving Riemannâ€“Liouville fractional derivative. Advances in Difference Equations, 2018, 2018, .	3.5	29
141	Modeling of One-Loop Flatness-Based Control with State Observer-Based Parameter Estimation for PMSM Drive. , 2018, , .		1
142	Air Flow Realâ€time Optimization Strategy for Fuel Cell Hybrid Power Sources with Fuel Flow Based on Loadâ€following. Fuel Cells, 2018, 18, 809-823.	2.4	14
143	Robust Flatness-based Control with State Observer-Based Parameter Estimation for PMSM Drive. , 2018, , .		7
144	Symmetric Radial Basis Function Method for Simulation of Elliptic Partial Differential Equations. Mathematics, 2018, 6, 327.	2.2	23

#	Article	IF	Citations
145	Fuel economy using the global optimization of the Fuel Cell Hybrid Power Systems. Energy Conversion and Management, 2018, 173, 665-678.	9.2	58
146	Real-time strategies to optimize the fueling of the fuel cell hybrid power source: A review of issues, challenges and a new approach. Renewable and Sustainable Energy Reviews, 2018, 91, 1089-1102.	16.4	52
147	New methods of construction of cartesian authentication codes from geometries over finite commutative rings. Journal of Mathematical Cryptology, 2018, 12, 119-136.	0.7	3
148	Designing and modelling of the asymptotic perturbed extremum seeking control scheme for tracking the global extreme. International Journal of Hydrogen Energy, 2017, 42, 17632-17644.	7.1	43
149	A new general iterative scheme for split variational inclusion and fixed point problems of <mml:math altimg="si3.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www. Journal of Computati	2.0	17
150	Differential Flatness Based Control of 3-Phase AC/DC Converter. , 2017, , .		2
151	Differential Flatness-Based Control of Current/Voltage Stabilization for a Single-Phase PFC with Multiphase Interleaved Boost Converters. , 2017, , .		9
152	Applications of fixed point results for cyclic Boyd-Wong type generalized F-psi-contractions to dynamic programming. Journal of Mathematics and Computer Science, 2017, 17, 200-215.	1.0	6
153	On the generalized Ulam-Hyers-Rassias stability for quartic functional equation in modular spaces. Journal of Nonlinear Science and Applications, 2017, 10, 1399-1406.	1.0	13
154	Proximal forward-backward splitting method for zeros of sum accretive operators for a fixed point set and inverse problems. Journal of Mathematics and Computer Science, 2017, 17, 506-526.	1.0	1
155	A Modified Iterative Algorithm for Split Feasibility Problems of Right Bregman Strongly Quasi-Nonexpansive Mappings in Banach Spaces with Applications. Algorithms, 2016, 9, 75.	2.1	1
156	Control of High-Energy High-Power Densities Storage Devices by Li-ion Battery and Supercapacitor for Fuel Cell/Photovoltaic Hybrid Power Plant for Autonomous System Applications. IEEE Transactions on Industry Applications, 2016, 52, 4395-4407.	4.9	105
157	Design, implementation, and non-linear control of interior permanent magnet synchronous motor with flux concentration by improved PWM-rotor design. , 2016, , .		1
158	Differential flatness based speed/torque control with state-observers of permanent magnet synchronous motor drives. , 2016, , .		5
159	Simplified single-loop full-flatness control of a hybrid power plant. , 2016, , .		3
160	Model based control of modified four-phase interleaved boost converter for fuel cell power source for mobile based station. , 2015, , .		7
161	Performance investigation of high-energy high-power densities storage devices by li-ion battery and supercapacitor for fuel cell/photovoltaic hybrid power plant for autonomous system applications. , 2015, , .		4
162	On the reduction of rotor losses in interior permanent magnet motor design and construction. , 2015, , .		1

#	Article	IF	Citations
163	DC Bus Stabilization of Li-Ion Battery Based Energy Storage for a Hydrogen/Solar Power Plant for Autonomous Network Applications. IEEE Transactions on Industry Applications, 2015, 51, 2717-2725.	4.9	30
164	Comparative study of control approaches of Li-Ion battery/supercapacitor storage devices for fuel cell power plant. , 2015, , .		8
165	Photovoltaic power control based on differential flatness approach of multiphase interleaved boost converter for grid connected applications. , 2015, , .		5
166	Nonlinear single-loop control of the parallel converters for a fuel cell power source used in DC grid applications. International Journal of Electrical Power and Energy Systems, 2015, 65, 41-48.	5.5	26
167	Nonlinear intelligent DC grid stabilization for fuel cell vehicle applications with a supercapacitor storage device. International Journal of Electrical Power and Energy Systems, 2015, 64, 723-733.	5.5	25
168	Analysis and Design of a DC-Side Symmetrical Class-D ZCS Rectifier for the PFC of Lighting Applications. Journal of Power Electronics, 2015, 15, 621-633.	1.5	1
169	Nonlinear control algorithm of supercapacitor/Li-Ion battery energy storage devices for fuel cell vehicle applications. , 2014, , .		3
170	DC bus stabilization of Li-Ion battery based energy storage for hydrogen/solar power plant for autonomous network applications. , 2014, , .		5
171	Performance investigation of linear and nonlinear controls for a fuel cell/supercapacitor hybrid power plant. International Journal of Electrical Power and Energy Systems, 2014, 54, 454-464.	5.5	63
172	Current-fed full-bridge DC-DC converter with nonlinear control scheme. , 2014, , .		4
173	Differential flatness control approach for fuel cell/solar cell power plant with Li-ion battery storage device for grid-independent applications. , 2014, , .		4
174	A nonlinear control algorithm of Li-ion battery substation for DC distributed system. , 2014, , .		1
175	Current-fed DC-DC converter with Flatness based control for renewable energy. , 2014, , .		5
176	Control of Parallel-connected AC to DC Converter with Droop Technique for DC Microgrid Application. Energy Procedia, 2013, 34, 351-361.	1.8	7
177	Control strategy of solar/wind energy power plant with supercapacitor energy storage for smart DC microgrid. , 2013, , .		7
178	Control of single-phase AC to DC converter for hybrid microgrid. , 2013, , .		4
179	Flatness based control of a dual active bridge converter for a fuel cell application. , 2013, , .		1
180	Differential flatness based-control of fuel cell/photovoltaic/wind turbine/supercapacitor hybrid power plant. , 2013, , .		4

#	Article	IF	Citations
181	Nonlinear control of a magnetic coupling converter for a supercapacitor storage device for a DC link stabilization. , 2013, , .		2
182	Intelligent Model-Based Control of a Standalone Photovoltaic/Fuel Cell Power Plant With Supercapacitor Energy Storage. IEEE Transactions on Sustainable Energy, 2013, 4, 240-249.	8.8	134
183	Study of two-phase interleaved boost converter using coupled inductors for a fuel cell. , 2013, , .		10
184	Differential flatness based control of supercapacitor substation for DC grid system. , 2013, , .		3
185	Transformer for an N-port isolated bidirectional DC-DC converter. , 2013, , .		2
186	Flatness based control of a dual active bridge converter for DC microgrid. , 2013, , .		7
187	Differential flatness based control of hybrid power plant based on supercapacitor storage energy for AC distributed system. , 2013, , .		1
188	Control of a two-port supercapacitor converter based on differential flatness principle for transportation applications. , 2012, , .		0
189	Fuzzy logic based DC bus voltage control of a stand alone photovoltaic/fuel cell/supercapacitor power plant. , 2012, , .		12
190	Control of a Three-Level Boost Converter Based on a Differential Flatness Approach for Fuel Cell Vehicle Applications. IEEE Transactions on Vehicular Technology, 2012, 61, 1467-1472.	6.3	40
191	Using electrical analogy to describe mass and charge transport in PEM fuel cell. Renewable Energy, 2012, 44, 128-140.	8.9	22
192	Model Based-Energy Control of a Solar Power Plant With a Supercapacitor for Grid-Independent Applications. IEEE Transactions on Energy Conversion, 2011, 26, 1210-1218.	5.2	64
193	Performance investigation of linear control and nonlinear control based-on flatness approach for a DC link stabilized fuel cell/supercapacitor hybrid power plant. , 2011, , .		0
194	Fuzzy control law based-on flatness property for a DC link stabilization for a fuel cell/supercapacitor hybrid power plant. , 2011, , .		1
195	Model based-control of three-level boost converter for fuel cell applications. , 2011, , .		3
196	Differential flatness based-control of wind generator/supercapacitor power plant. , 2011, , .		0
197	Energy management of fuel cell/solar cell/supercapacitor hybrid power source. Journal of Power Sources, 2011, 196, 313-324.	7.8	231
198	Modeling and Control of Fuel Cell/Supercapacitor Hybrid Source Based on Differential Flatness Control. IEEE Transactions on Vehicular Technology, 2010, 59, 2700-2710.	6.3	130

#	Article	IF	Citations
199	Study of a multiphase interleaved step-up converter for fuel cell high power applications. Energy Conversion and Management, 2010, 51, 826-832.	9.2	84
200	An Equivalent Circuit Model for Gas Diffusion Layers of PEMFC. ECS Transactions, 2010, 26, 39-50.	0.5	2
201	A nonlinear control approach to the energy management of solar power plant with supercapacitor for grid-independent applications. , 2010, , .		3
202	Performance evaluation of differential flatness based-control of fuel cell/supercapacitor hybrid power source. , 2010, , .		3
203	Analysis of Differential Flatness-Based Control for a Fuel Cell Hybrid Power Source. IEEE Transactions on Energy Conversion, 2010, 25, 909-920.	5.2	48
204	A New Control Law Based on the Differential Flatness Principle for Multiphase Interleaved DCâ€“DC Converter. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 903-907.	3.0	66
205	Control algorithm of renewable energy power plant supplied by fuel cell/solar cell/ supercapacitor power source. , 2010, , .		6
206	Fuel cell power regulation based-on differential flatness theory for high-power converter applications. , 2010, , .		0
207	Fuel starvation. IEEE Industry Applications Magazine, 2009, 15, 52-59.	0.4	38
208	The benefits of hybridization. IEEE Industrial Electronics Magazine, 2009, 3, 25-37.	2.6	86
209	Comparative Study of Fuel-Cell Vehicle Hybridization with Battery or Supercapacitor Storage Device. IEEE Transactions on Vehicular Technology, 2009, 58, 3892-3904.	6.3	254
210	Online humidification diagnosis of a PEMFC using a static DCâ€“DC converter. International Journal of Hydrogen Energy, 2009, 34, 2718-2723.	7.1	59
211	Energy management of fuel cell/battery/supercapacitor hybrid power source for vehicle applications. Journal of Power Sources, 2009, 193, 376-385.	7.8	484
212	Modified 4-phase interleaved fuel cell converter for high-power high-voltage applications. , 2009, , .		11
213	Performance Evaluation of Fuel Cell/Battery/Supercapacitor Hybrid Power Source for Vehicle Applications. , 2009, , .		11
214	Fuel cell high-power applications. IEEE Industrial Electronics Magazine, 2009, 3, 32-46.	2.6	139
215	Analysis of Supercapacitor as Second Source Based on Fuel Cell Power Generation. IEEE Transactions on Energy Conversion, 2009, 24, 247-255.	5.2	125
216	Fuel Cell Current Ripple Mitigation by Interleaved Technique for High Power Applications. , 2009, , .		37

#	Article	IF	Citations
217	Control of fuel cell/battery/supercapacitor hybrid source for vehicle applications. , 2009, , .		12
218	Performance Evaluation of Modified 4-Phase Interleaved Fuel Cell Converter for High-Gain High-Power Applications. , 2009, , .		2
219	Control Algorithm of Fuel Cell and Batteries for Distributed Generation System. IEEE Transactions on Energy Conversion, 2008, 23, 148-155.	5.2	118
220	Modeling and control of a fuel cell current control loop of a 4-phase interleaved step-up converter for DC distributed system. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	13
221	Drive friendly. IEEE Power and Energy Magazine, 2008, 6, 69-76.	1.6	26
222	Design and implementation of 2-phase interleaved boost converter for fuel cell power source. , 2008, , .		16
223	Performance investigation of fuel cell/battery and fuel cell/supercapacitor hybrid sources for electric vehicle applications. , 2008, , .		4
224	Analysis of a Fuel Starvation Phenomenon of a PEM Fuel Cell. , 2007, , .		41
225	Control Strategy of Fuel Cell and Supercapacitors Association for a Distributed Generation System. IEEE Transactions on Industrial Electronics, 2007, 54, 3225-3233.	7.9	289
226	Test of a PEM fuel cell with low voltage static converter. Journal of Power Sources, 2006, 153, 145-150.	7.8	48
227	Behaviour of a PEMFC supplying a low voltage static converter. Journal of Power Sources, 2006, 156, 119-125.	7.8	42
228	Control strategy of fuel cell/supercapacitors hybrid power sources for electric vehicle. Journal of Power Sources, 2006, 158, 806-814.	7.8	212
229	Control of fuel cell/supercapacitors hybrid power sources. , 2005, , .		10
230	Utilizing fuel cell and supercapacitors for automotive hybrid electrical system. , 0, , .		45
231	A Control Strategy of Fuel Cell/Battery Hybrid Power Source for Electric Vehicle Applications. , 0, , .		27
232	Thermal analysis of MHD convective slip transport of fractional Oldroyd-B fluid over a plate. Mechanics of Time-Dependent Materials, 0, , 1.	4.4	3