

# Phatiphat Thounthong

## List of Publications by Year in descending order

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232  
papers

6,600  
citations

76326

40  
h-index

88630

70  
g-index

234  
all docs

234  
docs citations

234  
times ranked

4062  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy management of fuel cell/battery/supercapacitor hybrid power source for vehicle applications. Journal of Power Sources, 2009, 193, 376-385.	7.8	484
2	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
3	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
4	Energy management of fuel cell/solar cell/supercapacitor hybrid power source. Journal of Power Sources, 2011, 196, 313-324.	7.8	231
5	Control strategy of fuel cell/supercapacitors hybrid power sources for electric vehicle. Journal of Power Sources, 2006, 158, 806-814.	7.8	212
6	Analytic approximate solutions for some nonlinear Parabolic dynamical wave equations. Journal of Taibah University for Science, 2020, 14, 346-358.	2.5	172
7	Fuel Cell Electric Vehicles – A Brief Review of Current Topologies and Energy Management Strategies. Energies, 2021, 14, 252.	3.1	141
8	Fuel cell high-power applications. IEEE Industrial Electronics Magazine, 2009, 3, 32-46.	2.6	139
9	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
10	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
11	Analysis of Supercapacitor as Second Source Based on Fuel Cell Power Generation. IEEE Transactions on Energy Conversion, 2009, 24, 247-255.	5.2	125
12	Control Algorithm of Fuel Cell and Batteries for Distributed Generation System. IEEE Transactions on Energy Conversion, 2008, 23, 148-155.	5.2	118
13	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
14	The benefits of hybridization. IEEE Industrial Electronics Magazine, 2009, 3, 25-37.	2.6	86
15	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
16	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
17	Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. Computer Methods and Programs in Biomedicine, 2020, 186, 105197.	4.7	68
18	Entropy generation in bioconvection nanofluid flow between two stretchable rotating disks. Scientific Reports, 2020, 10, 4448.	3.3	67



#	ARTICLE	IF	CITATIONS
37	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
38	Utilizing fuel cell and supercapacitors for automotive hybrid electrical system. , 0, , .		45
39	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
40	A Galerkin strategy for tri-hybridized mixture in ethylene glycol comprising variable diffusion and thermal conductivity using non-Fourier's theory. Nanotechnology Reviews, 2022, 11, 834-845.	5.8	44
41	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
42	Behaviour of a PEMFC supplying a low voltage static converter. Journal of Power Sources, 2006, 156, 119-125.	7.8	42
43	Dynamics of Tri-Hybrid Nanoparticles in the Rheology of Pseudo-Plastic Liquid with Dufour and Soret Effects. Micromachines, 2022, 13, 201.	2.9	42
44	Analysis of a Fuel Starvation Phenomenon of a PEM Fuel Cell. , 2007, , .		41
45	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
46	Optimization of entropy generation in flow of micropolar mixed convective magnetite (Fe <sub>3</sub> O <sub>4</sub> ) ferroparticle over a vertical plate. AEJ - Alexandria Engineering Journal, 2019, 58, 1461-1470.	6.4	39
47	Load Frequency Control Using Hybrid Intelligent Optimization Technique for Multi-Source Power Systems. Energies, 2021, 14, 1581.	3.1	39
48	Fuel starvation. IEEE Industry Applications Magazine, 2009, 15, 52-59.	0.4	38
49	Fuel Cell Current Ripple Mitigation by Interleaved Technique for High Power Applications. , 2009, , .		37
50	Implementing Blockchain Technology in Irrigation Systems That Integrate Photovoltaic Energy Generation Systems. Sustainability, 2020, 12, 1540.	3.2	37
51	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
52	Thin film flow of the water-based carbon nanotubes hybrid nanofluid under the magnetic effects. Heat Transfer, 2020, 49, 3211-3227.	3.0	36
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	A Single-Stage LED Driver Based on ZCDS Class-E Current-Driven Rectifier as a PFC for Street-Lighting Applications. <i>IEEE Transactions on Power Electronics</i> , 2018, 33, 8710-8727.	7.9	32
56	Brownian motion and thermophoretic diffusion influence on thermophysical aspects of electrically conducting viscoelastic nanofluid flow over a stretched surface. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11948-11957.	5.8	31
57	DC Bus Stabilization of Li-Ion Battery Based Energy Storage for a Hydrogen/Solar Power Plant for Autonomous Network Applications. <i>IEEE Transactions on Industry Applications</i> , 2015, 51, 2717-2725.	4.9	30
58	A comparison study of bank data in fractional calculus. <i>Chaos, Solitons and Fractals</i> , 2019, 126, 369-384.	5.1	30
59	Darcy's Forchheimer MHD Couple Stress 3D Nanofluid over an Exponentially Stretching Sheet through Cattaneo-Christov Convective Heat Flux with Zero Nanoparticles Mass Flux Conditions. <i>Entropy</i> , 2019, 21, 867.	2.2	30
60	Unsteady MHD carbon nanotubes suspended nanofluid flow with thermal stratification and nonlinear thermal radiation. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 1557-1566.	6.4	30
61	The Nehari manifold for a boundary value problem involving Riemann-Liouville fractional derivative. <i>Advances in Difference Equations</i> , 2018, 2018, .	3.5	29
62	CFD Simulation of Water-Based Hybrid Nanofluid Inside a Porous Enclosure Employing Lorentz Forces. <i>IEEE Access</i> , 2019, 7, 177177-177186.	4.2	28
63	Numerical solution of time-fractional coupled Korteweg-de Vries and Klein-Gordon equations by local meshless method. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	1.8	28
64	Impact of thermal radiation and non-uniform heat flux on MHD hybrid nanofluid along a stretching cylinder. <i>Scientific Reports</i> , 2021, 11, 20262.	3.3	28
65	A Control Strategy of Fuel Cell/Battery Hybrid Power Source for Electric Vehicle Applications. , 0, , .		27
66	Numerical simulation of 3-D fractional-order convection-diffusion PDE by a local meshless method. <i>Thermal Science</i> , 2021, 25, 347-358.	1.1	27
67	Drive friendly. <i>IEEE Power and Energy Magazine</i> , 2008, 6, 69-76.	1.6	26
68	Nonlinear single-loop control of the parallel converters for a fuel cell power source used in DC grid applications. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 65, 41-48.	5.5	26
69	On generalizations of some inequalities for convex functions via quantum integrals. <i>Revista De La Real Academia De Ciencias Exactas, Fisicas Y Naturales - Serie A: Matematicas</i> , 2020, 114, 1.	1.2	26
70	Design and control of multiphase interleaved boost converters-based on differential flatness theory for PEM fuel cell multi-stack applications. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 124, 106346.	5.5	26
71	Blockchain-Enabled Smart Grid Applications: Architecture, Challenges, and Solutions. <i>Sustainability</i> , 2022, 14, 8801.	3.2	26
72	Nonlinear intelligent DC grid stabilization for fuel cell vehicle applications with a supercapacitor storage device. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 64, 723-733.	5.5	25

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73	The Renewable Energy Source Selection by Remoteness Index-Based VIKOR Method for Generalized Intuitionistic Fuzzy Soft Sets. <i>Symmetry</i> , 2020, 12, 977.	2.2	25
74	Energy Efficiency and Fuel Economy of a Fuel Cell/Renewable Energy Sources Hybrid Power System with the Load-Following Control of the Fueling Regulators. <i>Mathematics</i> , 2020, 8, 151.	2.2	25
75	Significant Involvement of Double Diffusion Theories on Viscoelastic Fluid Comprising Variable Thermophysical Properties. <i>Micromachines</i> , 2021, 12, 951.	2.9	25
76	Mechanical aspects of Maxwell nanofluid in dynamic system with irreversible analysis. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000212.	1.6	24
77	Symmetric Radial Basis Function Method for Simulation of Elliptic Partial Differential Equations. <i>Mathematics</i> , 2018, 6, 327.	2.2	23
78	Slip and Hall Effects on Peristaltic Rheology of Copper-Water Nanomaterial Through Generalized Complaint Walls With Variable Viscosity. <i>Frontiers in Physics</i> , 2020, 7, .	2.1	23
79	A comprehensive study to the assessment of Arrhenius activation energy and binary chemical reaction in swirling flow. <i>Scientific Reports</i> , 2020, 10, 7868.	3.3	23
80	Hybrid Gravitationalâ€“Firefly Algorithm-Based Load Frequency Control for Hydrothermal Two-Area System. <i>Mathematics</i> , 2021, 9, 712.	2.2	23
81	Using electrical analogy to describe mass and charge transport in PEM fuel cell. <i>Renewable Energy</i> , 2012, 44, 128-140.	8.9	22
82	Hall and Ion-Slip Effect on CNTS Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. <i>Entropy</i> , 2019, 21, 801.	2.2	22
83	Study of the Couple Stress Convective Micropolar Fluid Flow in a Hall MHD Generator System. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	22
84	Unsteady Radiative Natural Convective MHD Nanofluid Flow Past a Porous Moving Vertical Plate with Heat Source/Sink. <i>Molecules</i> , 2020, 25, 854.	3.8	22
85	Utilization of updated version of heat flux model for the radiative flow of a non-Newtonian material under Joule heating: OHAM application. <i>Open Physics</i> , 2021, 19, 100-110.	1.7	22
86	Numerical Simulation of Magnetohydrodynamic Nanofluids Under the Influence of Shape Factor and Thermal Transport in a Porous Media Using CVFEM. <i>Frontiers in Physics</i> , 2019, 7, .	2.1	21
87	Meshless Technique for the Solution of Time-Fractional Partial Differential Equations Having Real-World Applications. <i>Journal of Function Spaces</i> , 2020, 2020, 1-17.	0.9	21
88	Robust Hamiltonian Energy Control Based on Lyapunov Function for Four-Phase Parallel Fuel Cell Boost Converter for DC Microgrid Applications. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 1500-1511.	8.8	21
89	Application of Fractional-Order PI Controllers and Neuro-Fuzzy PWM Technique to Multi-Rotor Wind Turbine Systems. <i>Electronics (Switzerland)</i> , 2022, 11, 1340.	3.1	21
90	Differential Flatness-Based Cascade Energy/Current Control of Battery/Supercapacitor Hybrid Source for Modern eâ€“Vehicle Applications. <i>Mathematics</i> , 2020, 8, 704.	2.2	20

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91	Algorithms for zeros of two accretive operators for solving convex minimization problems and its application to image restoration problems. <i>Journal of Computational and Applied Mathematics</i> , 2019, 354, 471-495.	2.0	19
92	Numerical study of integer-order hyperbolic telegraph model arising in physical and related sciences. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	19
93	Generalized thermoviscoelastic model with memory dependent derivatives and multi-phase delay for an excited spherical cavity. <i>Physica Scripta</i> , 2020, 95, 115708.	2.5	19
94	MHD Flow and Heat Transfer in Sodium Alginate Fluid with Thermal Radiation and Porosity Effects: Fractional Model of Atangana-Baleanu Derivative of Non-Local and Non-Singular Kernel. <i>Symmetry</i> , 2019, 11, 1295.	2.2	19
95	Design and control of permanent magnet assisted synchronous reluctance motor with copper loss minimization using MTPA. <i>Journal of Electrical Engineering</i> , 2020, 71, 11-19.	0.7	18
96	Direct Power Control Based on Modified Sliding Mode Controller for a Variable-Speed Multi-Rotor Wind Turbine System Using PWM Strategy. <i>Energies</i> , 2022, 15, 3689.	3.1	18
97	A new general iterative scheme for split variational inclusion and fixed point problems of $\langle \mathbb{R}^n, \langle \cdot, \cdot \rangle \rangle$ . <i>Journal of Computational and Applied Mathematics</i> , 2020, 374, 1-12.	2.0	17
98	Fractional investigations of zoonotic visceral leishmaniasis disease with singular and non-singular kernel. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	17
99	Utilization of hall current and ions slip effects for the dynamic simulation of peristalsis in a compliant channel. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3609-3622.	6.4	17
100	Applications of Cattaneo-Christov fluxes on modelling the boundary value problem of Prandtl fluid comprising variable properties. <i>Scientific Reports</i> , 2021, 11, 17837.	3.3	17
101	Radiative heat transfer enhancement in MHD porous channel flow of an Oldroyd-B fluid under generalized boundary conditions. <i>Physica Scripta</i> , 2020, 95, 115211.	2.5	17
102	Simplified Super Twisting Sliding Mode Approaches of the Double-Powered Induction Generator-Based Multi-Rotor Wind Turbine System. <i>Sustainability</i> , 2022, 14, 5014.	3.2	17
103	Design and implementation of 2-phase interleaved boost converter for fuel cell power source. , 2008, , .		16
104	A Modified Self-Adaptive Conjugate Gradient Method for Solving Convex Constrained Monotone Nonlinear Equations for Signal Recovery Problems. <i>Mathematics</i> , 2019, 7, 693.	2.2	16
105	Keller-Box Analysis of Buongiorno Model with Brownian and Thermophoretic Diffusion for Casson Nanofluid over an Inclined Surface. <i>Symmetry</i> , 2019, 11, 1370.	2.2	16
106	Lorentz Forces Effects on the Interactions of Nanoparticles in Emerging Mechanisms with Innovative Approach. <i>Symmetry</i> , 2020, 12, 1700.	2.2	16
107	Modelling of vibrations of rotating nanoscale beams surrounded by a magnetic field and subjected to a harmonic thermal field using a state-space approach. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	16
108	A Comprehensive Review of the Evolution of Networked Control System Technology and Its Future Potentials. <i>Sustainability</i> , 2021, 13, 2962.	3.2	16



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109	Rotating flow assessment of magnetized mixture fluid suspended with hybrid nanoparticles and chemical reactions of species. <i>Scientific Reports</i> , 2021, 11, 11277.	3.3	16
110	Permanent Magnet Synchronous Motor Dynamic Modeling with State Observer-based Parameter Estimation for AC Servomotor Drive Application. <i>Applied Science and Engineering Progress</i> , 2019, 12, .	0.8	16
111	Numerical solution of two-term time-fractional PDE models arising in mathematical physics using local meshless method. <i>Open Physics</i> , 2020, 18, 1063-1072.	1.7	16
112	Adaptive Control of Fuel Cell Converter Based on a New Hamiltonian Energy Function for Stabilizing the DC Bus in DC Microgrid Applications. <i>Mathematics</i> , 2020, 8, 2035.	2.2	15
113	Generalized Unsteady MHD Natural Convective Flow of Jeffery Model with ramped wall velocity and Newtonian heating; A Caputo-Fabrizio Approach. <i>Chinese Journal of Physics</i> , 2020, 68, 849-865.	3.9	15
114	A Framework for the Magnetic Dipole Effect on the Thixotropic Nanofluid Flow Past a Continuous Curved Stretched Surface. <i>Crystals</i> , 2021, 11, 645.	2.2	15
115	Air Flow Real-time Optimization Strategy for Fuel Cell Hybrid Power Sources with Fuel Flow Based on Load-following. <i>Fuel Cells</i> , 2018, 18, 809-823.	2.4	14
116	Computational Approach to Dynamic Systems through Similarity Measure and Homotopy Analysis Method for Renewable Energy. <i>Crystals</i> , 2020, 10, 1086.	2.2	14
117	Analysis and numerical simulations of fractional order Vallis system. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 2591-2605.	6.4	14
118	Impact of Cattaneo-Christov heat flux on non-isothermal convective micropolar fluid flow in a hall MHD generator system. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5452-5462.	5.8	14
119	Computational optimization for the deposition of bioconvection thin Oldroyd-B nanofluid with entropy generation. <i>Scientific Reports</i> , 2021, 11, 11641.	3.3	14
120	Modeling and control of a fuel cell current control loop of a 4-phase interleaved step-up converter for DC distributed system. <i>Power Electronics Specialist Conference (PESC), IEEE</i> , 2008, , .	0.0	13
121	Magnetic field promoted irreversible process of water based nanocomposites with heat and mass transfer flow. <i>Scientific Reports</i> , 2021, 11, 1692.	3.3	13
122	Fractional Modeling and Exact Solutions to Analyze Thermal Performance of $Fe_3O_4$ - $MoS_2$ -Water Hybrid Nanofluid Flow Over an Inclined Surface With Ramped Heating and Ramped Boundary Motion. <i>IEEE Access</i> , 2021, 9, 12389-12404.	4.2	13
123	On the generalized Ulam-Hyers-Rassias stability for quartic functional equation in modular spaces. <i>Journal of Nonlinear Science and Applications</i> , 2017, 10, 1399-1406.	1.0	13
124	Control of fuel cell/battery/supercapacitor hybrid source for vehicle applications. , 2009, , .		12
125	Fuzzy logic based DC bus voltage control of a stand alone photovoltaic/fuel cell/supercapacitor power plant. , 2012, , .		12
126	Better Fuel Economy by Optimizing Airflow of the Fuel Cell Hybrid Power Systems Using Fuel Flow-Based Load-Following Control. <i>Energies</i> , 2019, 12, 2792.	3.1	12



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127	A new analytical approach for the research of thin 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
128	A novel algorithm for the computation of systems containing different types of integral and integro-differential equations. Heat Transfer, 2021, 50, 3065-3078.	3.0	12
129	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
130	Solution of Burgers's equation appears in fluid mechanics by multistage optimal homotopy asymptotic method. Thermal Science, 2022, 26, 815-821.	1.1	12
131	Modified 4-phase interleaved fuel cell converter for high-power high-voltage applications. , 2009, , .		11
132	Performance Evaluation of Fuel Cell/Battery/Supercapacitor Hybrid Power Source for Vehicle Applications. , 2009, , .		11
133	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
134	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
135	Control of fuel cell/supercapacitors hybrid power sources. , 2005, , .		10
136	Study of two-phase interleaved boost converter using coupled inductors for a fuel cell. , 2013, , .		10
137	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
138	An exact analysis of radiative heat transfer and unsteady MHD convective flow of a second-grade fluid with ramped wall motion and temperature. Heat Transfer, 2021, 50, 196-219.	3.0	10
139	Differential Flatness-Based Control of Current/Voltage Stabilization for a Single-Phase PFC with Multiphase Interleaved Boost Converters. , 2017, , .		9
140	Some Hermite-Hadamard-Type Fractional Integral Inequalities Involving Twice-Differentiable Mappings. Symmetry, 2021, 13, 2209.	2.2	9
141	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
142	Comparative study of control approaches of Li-Ion battery/supercapacitor storage devices for fuel cell power plant. , 2015, , .		8
143	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
144	Differential Flatness Based-Control Strategy of a Two-Port Bidirectional Supercapacitor Converter for Hydrogen Mobility Applications. Energies, 2020, 13, 2794.	3.1	8

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145	Intelligent charging station in 5G environments: Challenges and perspectives. International Journal of Energy Research, 2021, 45, 16418-16435.	4.5	8
146	Control of Parallel-connected AC to DC Converter with Droop Technique for DC Microgrid Application. Energy Procedia, 2013, 34, 351-361.	1.8	7
147	Control strategy of solar/wind energy power plant with supercapacitor energy storage for smart DC microgrid. , 2013, , .		7
148	Flatness based control of a dual active bridge converter for DC microgrid. , 2013, , .		7
149	Model based control of modified four-phase interleaved boost converter for fuel cell power source for mobile based station. , 2015, , .		7
150	Robust Flatness-based Control with State Observer-Based Parameter Estimation for PMSM Drive. , 2018, , .		7
151	Model-Free Control of Multiphase Interleaved Boost Converter for Fuel Cell/Reformer Power Generation. , 2019, , .		7
152	Study of Hamiltonian Energy Control of Multiphase Interleaved Fuel Cell Boost Converter. , 2019, , .		7
153	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
154	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
155	Control algorithm of renewable energy power plant supplied by fuel cell/solar cell/ supercapacitor power source. , 2010, , .		6
156	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
157	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
158	DC bus stabilization of Li-Ion battery based energy storage for hydrogen/solar power plant for autonomous network applications. , 2014, , .		5
159	Current-fed DC-DC converter with Flatness based control for renewable energy. , 2014, , .		5
160	Photovoltaic power control based on differential flatness approach of multiphase interleaved boost converter for grid connected applications. , 2015, , .		5
161	Differential flatness based speed/torque control with state-observers of permanent magnet synchronous motor drives. , 2016, , .		5
162	Convergence Theorems for Generalized Viscosity Explicit Methods for Nonexpansive Mappings in Banach Spaces and Some Applications. Mathematics, 2019, 7, 161.	2.2	5

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163	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
164	Novel insights into the computational techniques in unsteady MHD second-grade fluid dynamics with oscillatory boundary conditions. Heat Transfer, 2021, 50, 2502-2524.	3.0	5
165	Magneto-hydrodynamic 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
166	Exploring the nanomechanical concepts of development through recent updates in magnetically guided system. Scientific Reports, 2021, 11, 13576.	3.3	5
167	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
168	Performance investigation of fuel cell/battery and fuel cell/supercapacitor hybrid sources for electric vehicle applications. , 2008, , .		4
169	Control of single-phase AC to DC converter for hybrid microgrid. , 2013, , .		4
170	Differential flatness based-control of fuel cell/photovoltaic/wind turbine/supercapacitor hybrid power plant. , 2013, , .		4
171	Current-fed full-bridge DC-DC converter with nonlinear control scheme. , 2014, , .		4
172	Differential flatness control approach for fuel cell/solar cell power plant with Li-ion battery storage device for grid-independent applications. , 2014, , .		4
173	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
174	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
175	FRACTIONAL MAGNETO-HYDRODYNAMIC FLOW OF A SECOND GRADE FLUID IN A POROUS MEDIUM WITH VARIABLE WALL VELOCITY AND NEWTONIAN HEATING. Fractals, 2021, 29, 2150060.	3.7	4
176	Numerical Solution of the Multiterm Time-Fractional Model for Heat Conductivity by Local Meshless Technique. Complexity, 2021, 2021, 1-10.	1.6	4
177	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
178	Power equalizer for a series fuel cell architecture based on load tracking control. Renewable and Sustainable Energy Reviews, 2022, 166, 112644.	16.4	4
179	A nonlinear control approach to the energy management of solar power plant with supercapacitor for grid-independent applications. , 2010, , .		3
180	Performance evaluation of differential flatness based-control of fuel cell/supercapacitor hybrid power source. , 2010, , .		3

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181	Model based-control of three-level boost converter for fuel cell applications. , 2011, , .		3
182	Differential flatness based control of supercapacitor substation for DC grid system. , 2013, , .		3
183	Nonlinear control algorithm of supercapacitor/Li-Ion battery energy storage devices for fuel cell vehicle applications. , 2014, , .		3
184	Simplified single-loop full-flatness control of a hybrid power plant. , 2016, , .		3
185	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
186	On error estimations of Simpson's second type quadrature formula. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	3
187	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
188	A Simple and Safe Strategy for Improving the Fuel Economy of a Fuel Cell Vehicle. Mathematics, 2021, 9, 604.	2.2	3
189	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
190	Analyzing the Effect of Parasitic Capacitance in a Full-Bridge Class-D Current Source Rectifier on a High Step-Up Push-Pull Multiresonant Converter. Sustainability, 2021, 13, 5477.	3.2	3
191	Performance Evaluation of Modified 4-Phase Interleaved Fuel Cell Converter for High-Gain High-Power Applications. , 2009, , .		2
192	An Equivalent Circuit Model for Gas Diffusion Layers of PEMFC. ECS Transactions, 2010, 26, 39-50.	0.5	2
193	Nonlinear control of a magnetic coupling converter for a supercapacitor storage device for a DC link stabilization. , 2013, , .		2
194	Transformer for an N-port isolated bidirectional DC-DC converter. , 2013, , .		2
195	Differential Flatness Based Control of 3-Phase AC/DC Converter. , 2017, , .		2
196	Fixed point results in fuzzy metric spaces via $\hat{\mathcal{I}}$ and $\hat{\mathcal{I}}^*$ -admissible mappings with application to integral types. Journal of Intelligent and Fuzzy Systems, 2018, 34, 467-475.	1.4	2
197	DC-DC High Conversion Ratio Push-Pull Resonant Converter Based on Voltage Double Rectifier. , 2019, , .		2
198	Model Free-Based Torque Control of Permanent Magnet Synchronous Motor Drives. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
199	Maximum Torque per Ampere and Field-weakening Controls for the High-Speed Operation of Permanent-Magnet Assisted Synchronous Reluctance Motors. , 2019, , .		2
200	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
201	Port-Hamiltonian Formulation of Adaptive PI Controller for Constant Power Load Stability Issue: Case Study for Multiphase Fuel Cell Converters. , 2021, , .		2
202	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
203	Fuzzy control law based-on flatness property for a DC link stabilization for a fuel cell/supercapacitor hybrid power plant. , 2011, , .		1
204	Flatness based control of a dual active bridge converter for a fuel cell application. , 2013, , .		1
205	Differential flatness based control of hybrid power plant based on supercapacitor storage energy for AC distributed system. , 2013, , .		1
206	A nonlinear control algorithm of Li-ion battery substation for DC distributed system. , 2014, , .		1
207	On the reduction of rotor losses in interior permanent magnet motor design and construction. , 2015, , .		1
208	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
209	Design, implementation, and non-linear control of interior permanent magnet synchronous motor with flux concentration by improved PWM-rotor design. , 2016, , .		1
210	Modeling of One-Loop Flatness-Based Control with State Observer-Based Parameter Estimation for PMSM Drive. , 2018, , .		1
211	High Step-Up DC-DC Push-Pull Resonant Based on low Cost half-wave Class-D Rectifier. , 2019, , .		1
212	Model Based Control of Battery/Supercapacitor Hybrid Source for Modern e-Vehicle. , 2019, , .		1
213	Differential Flatness-Based Energy/Current Cascade Control for Multiphase Interleaved Boost Fuel Cell Converter. , 2019, , .		1
214	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
215	A New Active Control Driver Circuit for Satellite's Torquer System Using Second Generation Current Conveyor. Electronics (Switzerland), 2021, 10, 911.	3.1	1
216	A Three-Phase Resonant Boost Inverter Fed Brushless DC Motor Drive for Electric Vehicles. Electronics (Switzerland), 2021, 10, 1799.	3.1	1

#	ARTICLE	IF	CITATIONS
217	Analysis and Design of a DC-Side Symmetrical Class-D ZCS Rectifier for the PFC of Lighting Applications. <i>Journal of Power Electronics</i> , 2015, 15, 621-633.	1.5	1
218	Proximal forward-backward splitting method for zeros of sum accretive operators for a fixed point set and inverse problems. <i>Journal of Mathematics and Computer Science</i> , 2017, 17, 506-526.	1.0	1
219	Hamiltonian Control Law Based on Lyapunov's Energy Function for Four-Phase Parallel Fuel Cell Boost Converter. , 2020, , .		1
220	Comparative Study of Model-Based Control of Energy/Current Cascade Control for a Multiphase Interleaved Fuel Cell Boost Converter. , 2020, , .		1
221	Design, Modeling, and Model-Free Control of Permanent Magnet-Assisted Synchronous Reluctance Motor for e-Vehicle Applications. <i>Sustainability</i> , 2022, 14, 5423.	3.2	1
222	Fuel cell power regulation based-on differential flatness theory for high-power converter applications. , 2010, , .		0
223	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
224	Differential flatness based-control of wind generator/supercapacitor power plant. , 2011, , .		0
225	Control of a two-port supercapacitor converter based on differential flatness principle for transportation applications. , 2012, , .		0
226	Alternating Minimization Algorithms for Convex Minimization Problem with Application to Image Deblurring and Denoising. , 2018, , .		0
227	Model-Based Control of Permanent-Magnet Assisted Synchronous Reluctance Motors. , 2019, , .		0
228	Effect of rotational slip on the physical parameter in a micropolar fluid flow past a stretching sheet. <i>International Journal of Modern Physics B</i> , 2021, 35, 2150169.	2.0	0
229	Multi-Objective Energy Management Strategy for PV/FC Hybrid Power Systems. <i>Electronics (Switzerland)</i> , 2021, 10, 1721.	3.1	0
230	Analysis of Solar Cells Battery Charger with DC-DC Isolated Forward Resonant Reset Converter with Large Signal Technique for Linear Controller Design. , 2022, , .		0
231	Model-Based and Model-Free of Torque and Speed Controls for PMA-SynRM Drive System. , 2022, , .		0
232	Adaptive Voltage Controller for Flux-weakening Operation in PMA-SynRM Drives. , 2022, , .		0