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Developments in Perturb and Observe Algorithm for Maximum Power Point Tracking in Photo Voltaic Panel: A Review

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Archives of Computational Methods in Engineering,
2021, 28, 2447-2457.

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#	Paper	IF	Citations
14	Maximum power point tracking for photovoltaic systems under partial shading conditions via modified model predictive control. <i>Electrical Engineering</i> , 2021 , 103, 1923-1947	1.5	4
13	A novel coarse and fine control algorithm to improve Maximum Power Point Tracking (MPPT) efficiency in photovoltaic system. <i>ISA Transactions</i> , 2021 , 121, 180-180	5.5	2
12	A Novel Shift and Search (S&S) Algorithm for Tracking Maximum Power in PV Systems: An Approach to Increase Efficiency. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021 , 8, 1699	3.8	2
11	A manhattan metric based perturb and observe maximum power point tracking algorithm for photovoltaic systems. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022 , 44, 469-492	1.6	1
10	Robust Control for Optimized Islanded and Grid-Connected Operation of Solar/Wind/Battery Hybrid Energy. <i>Sustainability</i> , 2022 , 14, 5673	3.6	1
9	Hill Climbing Artificial Electric Field Algorithm for Maximum Power Point Tracking of Photovoltaics. <i>Frontiers in Energy Research</i> , 10,	3.8	0
8	Hybrid sensor-aided direct duty cycle control approach for maximum power point tracking in two-stage photovoltaic systems. 2023 , 145, 108690		0
7	Computational Methods to Mitigate the Effect of High Penetration of Renewable Energy Sources on Power System Frequency Regulation: A Comprehensive Review.		0
6	Comparative study of modern heuristic algorithms for global maximum power point tracking in photovoltaic systems under partial shading conditions. 10,		0
5	Effective participation of wind turbines in frequency control of a two-area power system using coot optimization. 2023 , 8,		0
4	Perturb and Observe Parameter Tuning to Harvest Thermal Energy from Solar Radiation at Rooftop and Attic Area: A Comparative Study. 2022 , 58, 369-378		0
3	A Comprehensive Review of Maximum Power Point Tracking (MPPT) Techniques Used in Solar PV Systems. 2023 , 16, 2206		1
2	Fuzzy Logic Scheduling of the Duty Cycle Perturbation of an Optimized MPPT for WECS's Energy Quality Improvement. 2023 ,		0
1	Gorilla troops optimization-based MPPT for augmented performance of photovoltaic systems. 2023 ,		0