

# Asghar Taheri

## List of Publications by Year in descending order

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45  
papers

698  
citations

623734

14  
h-index

552781

26  
g-index

45  
all docs

45  
docs citations

45  
times ranked

710  
citing authors

#	ARTICLE	IF	CITATIONS
1	New bidirectional multilevel inverter topology with staircase cascading for symmetric and asymmetric structures. IET Power Electronics, 2017, 10, 1315-1323.	2.1	80
2	Modified DTC of a Six-Phase Induction Motor With a Second-Order Sliding-Mode MRAS-Based Speed Estimator. IEEE Transactions on Power Electronics, 2019, 34, 600-611.	7.9	65
3	Efficiency Improvement in DTC of Six-Phase Induction Machine by Adaptive Gradient Descent of Flux. IEEE Transactions on Power Electronics, 2012, 27, 1552-1562.	7.9	64
4	Reduction of Power Electronic Components in Multilevel Converters Using New Switched Capacitor-Diode Structure. IEEE Transactions on Industrial Electronics, 2016, 63, 7204-7214.	7.9	56
5	Direct Torque Control of Six-Phase Induction Motor With a Novel MRAS-Based Stator Resistance Estimator. IEEE Transactions on Industrial Electronics, 2018, 65, 7685-7696.	7.9	53
6	An Asymmetric Switched Capacitor Multilevel Inverter With Component Reduction. IEEE Access, 2019, 7, 127166-127176.	4.2	40
7	Full-order Luenberger observer based on fuzzy-logic control for sensorless field-oriented control of a single-sided linear induction motor. ISA Transactions, 2016, 60, 96-108.	5.7	35
8	Constrained Near-Time-Optimal Sliding-Mode Control of Boost Converters Based on Switched Affine Model Analysis. IEEE Transactions on Industrial Electronics, 2018, 65, 887-897.	7.9	28
9	A new model predictive control algorithm by reducing the computing time of cost function minimization for NPC inverter in three-phase power grids. ISA Transactions, 2017, 71, 391-402.	5.7	27
10	Adaptive Global Sliding Mode Controller Design for Perturbed DC-DC Buck Converters. Energies, 2021, 14, 1249.	3.1	27
11	A Novel Vector Control Strategy for a Six-Phase Induction Motor with Low Torque Ripples and Harmonic Currents. Energies, 2019, 12, 1102.	3.1	21
12	Robust output regulation of Zeta converter with load/input variations: LMI approach. Control Engineering Practice, 2019, 84, 102-111.	5.5	19
13	Comparison of Efficiency for Different Switching Tables in Six-Phase Induction Motor DTC Drive. Journal of Power Electronics, 2012, 12, 128-135.	1.5	17
14	Harmonic reduction of Direct Torque Control of six-phase induction motor. ISA Transactions, 2016, 63, 299-314.	5.7	16
15	MRAS Based Speed Estimator for Sensorless Vector Control of a Linear Induction Motor with Improved Adaptation Mechanisms. Journal of Power Electronics, 2015, 15, 1274-1285.	1.5	15
16	New topology of a switched capacitor based multilevel inverter with a single DC power supply. IET Power Electronics, 2019, 12, 1571-1584.	2.1	14
17	PI Regulator-Based Duty Cycle Control to Reduce Torque and Flux Ripples in DTC of Six-Phase Induction Motor. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 354-370.	5.4	13
18	Sensorless Loss Model Control of the Six-Phase Induction Motor in All Speed Range by Extended Kalman Filter. IEEE Access, 2020, 8, 118741-118750.	4.2	12

#	ARTICLE	IF	CITATIONS
19	Energy Optimization of Field Oriented Six-Phase Induction Motor Drive. Advances in Electrical and Computer Engineering, 2011, 11, 107-112.	0.9	10
20	Sensorless Direct Torque Control of the Six-Phase Induction Motor by Fast Reduced Order Extended Kalman Filter. Complexity, 2020, 2020, 1-10.	1.6	9
21	A MRAS Based Model Predictive Control for Multi-Leg Based Multi-Drive System Used in Hot Rolling Mill Applications. IEEE Access, 2020, 8, 215493-215504.	4.2	7
22	<sc>Switchedâ€capacitor inductor Zâ€source</sc> inverter with an impedance network. International Transactions on Electrical Energy Systems, 2021, 31, e12529.	1.9	7
23	A multilevel inverter using switched capacitors with reduced components. IET Power Electronics, 2020, 13, 3954-3962.	2.1	7
24	Quasi Zâ€source inverter with switchedâ€capacitorâ€inductor for enhancing boost factor. IET Power Electronics, 2021, 14, 2545-2562.	2.1	7
25	Extra Freedom Degrees of Six-Phase Induction Motors Used to Diagnose Stator Inter-Turn Faults. Electric Power Components and Systems, 2021, 49, 294-307.	1.8	6
26	Multilevel Inverter based on switched-capacitor with reduced component count. International Journal of Electronics, 2022, 109, 200-220.	1.4	6
27	EKF modeling of field oriented control of six-phase induction motor. IEICE Electronics Express, 2012, 9, 642-647.	0.8	5
28	Voltageâ€mode robust controller design for DCâ€DC boost converter at the presence of wide load and input voltage variations based on finiteâ€stateâ€machine model. IET Power Electronics, 2018, 11, 866-875.	2.1	5
29	Speed sensor-less estimation and predictive control of six-phase induction motor using extended kalman filter. , 2014, , .		4
30	Gas sensor array assisted with UV illumination for discriminating several analytes at room temperature. Micro and Nano Letters, 2019, 14, 1064-1068.	1.3	4
31	Digital controller design based on high order ideal controller patterning for DC-DC buck converter. , 2014, , .		3
32	Sliding mode control of Boost converter with jump flow switched system. Journal of the Franklin Institute, 2020, 357, 13734-13752.	3.4	3
33	Efficiency Optimization of Six-phase Induction Motors by Fuzzy Controller. Elektronika Ir Elektrotehnika, 2013, 19, .	0.8	3
34	Fuzzy Hidden Markov Models and fuzzy NN Models in Speaker Recognition. , 2006, , .		2
35	Control strategy for DC micro grid to supply AC loads. , 2013, , .		2
36	Boost Convertersâ€™ Proximate Constrained Time-Optimal Sliding Mode Control Based on Hybrid Switching Model. Complexity, 2019, 2019, 1-14.	1.6	2

#	ARTICLE	IF	CITATIONS
37	Adaptive Position control of three degrees freedom platform. , 2006, , .		1
38	Using Adaptive Control in Picture Stabilizer. , 2006, , .		1
39	Digital Controller Design based on Time Domain for DC-DC Buck Converter. International Journal of Engineering, Transactions B: Applications, 2015, 28, .	0.7	1
40	The Effectiveness of Family-Based DOTS versus Professional-Family Mix DOTS in Treating Smears Positive Tuberculosis. Health Promotion Perspectives, 2014, 4, 98-106.	1.9	1
41	Analysis and Modeling NCCS Algorithm in Cellular Mobile Communication. , 2005, , .		0
42	Analysis Influence of NFD Filter in FSK Modulation for Reduction ISI. , 2005, , .		0
43	DSP-based Adaptive Control of 3 axes Stabilizer. , 2007, , .		0
44	A novel analog controller design scheme for LLC resonant converter used in battery charging application. IET Power Electronics, 2022, 15, 802-814.	2.1	0
45	A new reactive power compensation concept for distribution systems using a gridâ€integrated hybrid photovoltaic/wind turbine system: PVâ€WTâ€STATCOM. International Journal of Circuit Theory and Applications, 0, , .	2.0	0